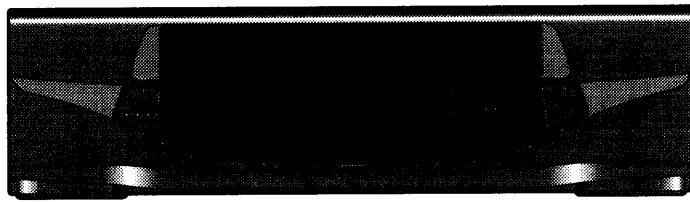




SERVICE MANUAL

Video Cassette Recorder



(VHR-768IR)



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VHR-768IR

(Product Code : 143 173 27)
(Ireland)

VHR-778EV

(Product Code : 143 173 13)

VHR-778EX

(Product Code : 143 173 12)

VHR-798EV

(Product Code : 143 173 30)
(Europe)

VHR-798E

(Product Code : 143 173 15)
(U.K.)

VHR-798SP

(Product Code : 143 173 14)
(Spain)

Please see other materials with Reference number given in table below.

Materials	Model No.	Reference No.
Mechanism	V95 I Mechanism	MM531433
Manual	V95 II Mechanism	MS531500

PRODUCT SAFETY NOTICE

The components designated by a symbol ($\triangle$) in this schematic diagram designates components whose value are of special significance to product safety. Should any component designated by a symbol need to be replaced, use only the part designated in the parts List. Do not deviate from the resistance, wattage, and voltage ratings shown.

- NOTE: 1. Parts order must contain model number, part number, and description.
2. Substitute parts may be supplied as the service parts.
3. N.S.P. : Not available as service parts.

Design and specifications are subject to change without notice.

SELF-DIAGNOSIS DISPLAY

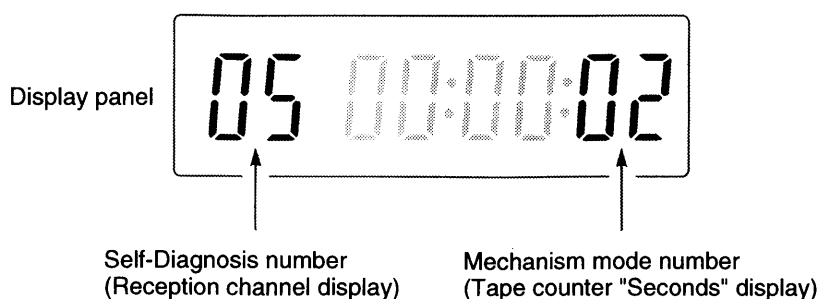
Mechanism Mode Display / Head Output Drop Warning Display / Cylinder Rotation Accumulated Time Display

This unit displays the diagnosis contents of abnormalities and the mechanism, mode on its display panel in 2-digit numbers. When the head playback output has dropped, the "L" sign will be blinked. Some models (listed later) will also display the cylinder rotation accumulated time.

These display shows the outline of the problems. Use it as a reference when servicing the unit.

1. Self-Diagnosis Contentes and Mechanism Mode Display

- When the STOP button on the remote control is pressed for about 10 seconds continuously, the self-diagnosis number will be displayed on the reception channel display of the display panel and number indicating the failed mechanism mode (changed mode when being shifted) on the tape counter "seconds" display for 10 seconds each.
- During self-diagnosis display, displays other than the diagnosis number/mechanism mode number and the cylinder accumulated rotation time display described later (some models only) will be turned off and when displays end, the normal display will be returned automatically.
- Refer to "Self-Diagnosis Contents" for the self-diagnosis numbers and the "Mechanism Mode Display Contents" for the mechanism mode numbers.
- When the "0" button on the remote control unit is pressed during display, and clearing the self-diagnosis display and mechanism mode display.



Self-Diagnosis Contents

No.	Problem	Main Possible Cause	Mechanism Operations and State After Occurrence
00	There is no abnormality in the mechanism.		
01	The cylinder motor does not rotate.	• The cylinder motor is faulty. • The control of the cylinder motor is faulty. • The tape winds around the cylinder.	Shifts to the STOP mode.
02	The take-up reel does not rotate.	• The take-up reel is caught. • The reel belt is faulty. • The take-up torque has decreased.	Shifts to the STOP mode.
03	The capstan motor does not rotate.	• The capstan motor is faulty. • The control of the capstan motor is faulty.	Shifts to the STOP mode.
04	The tape cannot be loaded with the cassette inserted. (But unloading can be performed.)	• Error in the operations of the tape loading mechanism. • Foreign particles in the tape loading mechanism. • The tape end sensor is faulty. • The reel brake of the tape cassette has not been released.	Unloads, shifts to the INITIAL mode, and the power goes off.
05	Tape loading and unloading cannot be performed with the cassette inserted.	• The tape guide is caught. • The loading motor is faulty. • The control of the loading motor is faulty.	The power is forcibly turned off with the mechanism at its current position.

No.	Problem	Main Possible Cause	Mechanism Operations and State After Occurrence
06	Front unloading cannot be performed when ejecting the cassette. (Front loading can be performed.)	- The cassette drive mechanism is faulty. - The front door is caught.	Front loads and shifts to the STOP or INITIAL mode. - When the power switch is turned on before eject operations: Shifts to the STOP mode. - When the power switch is turned off before eject operations: Shifts to the INITIAL mode and the power goes off.
07	Front loading and front unloading cannot be performed when ejecting the cassette.	- The tape cassette is caught in the cassette drive mechanism. - The main cam and front rack gear of the front loading mechanism have not engaged properly. - The gears of the front loading drive mechanism have not engaged properly.	The power is forcibly turned off with the mechanism at its current position.
08	The mechanism becomes 1 (REVIEW) while moving from 2 (IDLER), 3 (STILL), 4 (BRAKE), and to 5 (STOP).	The mechanism mode switch contact is faulty.	The power is forcibly turned off with the mechanism at its current position.
09	The mechanism becomes 7 (INITIAL) while moving from 1 (REVIEW), 2 (IDLER), 3 (STILL), 4 (BRAKE), and to 5 (STOP).	The mechanism mode switch contact is faulty.	Carries out tape take-up operations, shifts to the INITIAL mode, and the power goes off.
10	The capstan motor does not rotate and cassette tape eject when cassette tape insert.	- The capstan motor is faulty. - The control of the capstan motor is faulty.	Shifts to the STANDBY mode. Protect cassette tape.
11	The cylinder motor does not rotate and cassette tape eject when cassette tape insert.	- The cylinder motor is faulty. - The control of the cylinder motor is faulty.	Shifts to the STANDBY mode. Protect cassette tape.

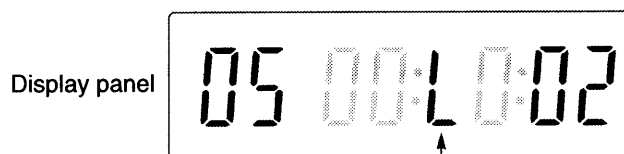
Note: For details of mechanism operations corresponding to the mechanism positions of the self-diagnosis numbers 08 and 09 above, refer to the separate volume on the V95 I mechanism manual. These manual reference numbers are shown in the cover.

Mechanism Mode Display Contents

Mode No.	Mechanism Mode	Mode No.	Mechanism Mode	Mode No.	Mechanism Mode
00	CASSETTE OUT	07	SLOW	14	FAST FORWARD
01	STANDBY	08	PLAY	15	REWIND
02	STOP	09	REC	16	VIDEO INSERT
03	STILL	10	AUDIO DUBBING	17	VIDEO INSERT-PAUSE
04	REC-PAUSE	11	X2 SPEED PLAY	18	AUDIO/VIDEO INSERT
05	AUDIO DUBBING-PAUSE	12	CUE	19	REVERSE X2 SPEED PLAY
06	FRAME ADVANCE	13	REVIEW	99	OTHERS

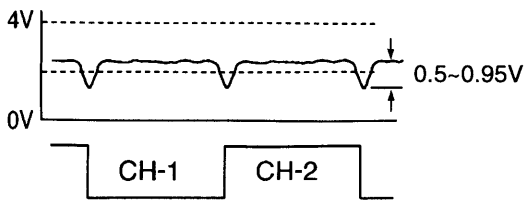
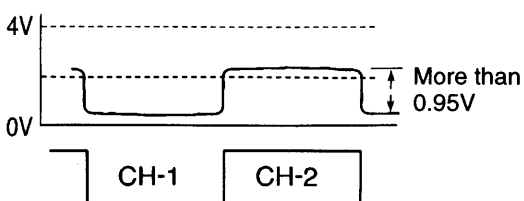
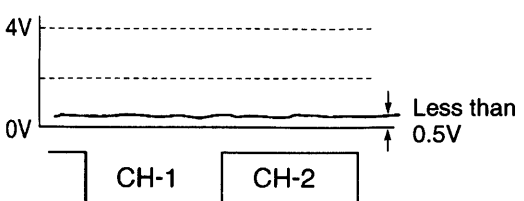
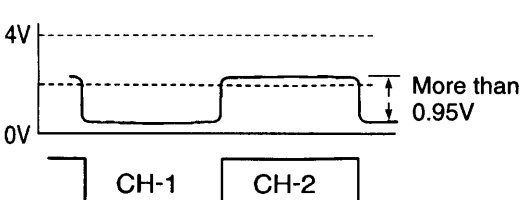
2. Head Output Drop Warning Display

- When the STOP button on the remote control is pressed for 10 seconds continuously 10 seconds after play starts, "L" will be displayed blinking at the first digit of the minutes position on the tape counter when the head output is lower than the specified value to indicate an abnormality.
- The cause of the abnormality may be due to drop in the playback output caused by drop in the efficiency of the cassette used or head clogging. Refer to "Head Playback Output Voltage Check" as a means to judge the abnormality.



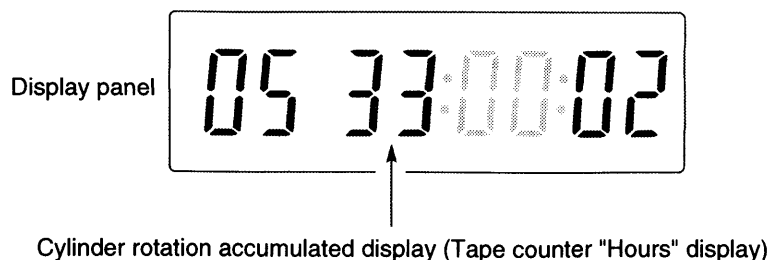
Head output drop warning display (Tape counter "1st digit of Minutes." position)

Head playback output voltage check

Cassette Used	Warning Display	Envelope Detection Output Voltage	Main Cause
Cassette with normal playback output	—	Envelope detection output (IC301 Pin 25 or R3032 Mark side: see Fig. 2-1-1) Switching pulse (TP183: see Fig. 2-1-2) 	When the output voltage difference of the two channels is 0.5 to 0.95V The video heads of both are normal
Recorded cassette (with tabs)	"L" blinking	Envelope detection output (IC301 Pin 25 or R3032 Mark side: see Fig. 2-1-1) Switching pulse (TP183: see Fig. 2-1-2) 	When the output voltage difference of the two channels is more than 0.95V - Tracking adjustment has not been performed accurately - One video head is clogged - One video head has worn out
	"L" blinking	Envelope detection output (IC301 Pin 25 or R3032 Mark side: see Fig. 2-1-1) Switching pulse (TP183: see Fig. 2-1-2) 	When the average output voltage of the two channels is less than 0.5V - Tracking adjustment has not been performed accurately - Both video heads are clogged - Both video heads have worn out
Rental cassette (without tabs)	"L" blinking	Envelope detection output (IC301 Pin 25 or R3032 Mark side: see Fig. 2-1-1) Switching pulse (TP183: see Fig. 2-1-2) 	When the output voltage difference of the two channels is more than 0.95V - Tracking adjustment has not been performed accurately - One video head is clogged - One video head has worn out
Some rental cassettes may have extremely low video playback outputs even when both video heads are normal. As the average output voltage of the two heads may be less than 0.5V for some, no warning displays will be shown.			

3. Cylinder rotation accumulated time display

- Press the STOP button on the remote control for approximately 10 seconds and the cylinder rotation accumulated time excluding the cassette out and standby operation time will be displayed on the "Hours" display in units of 100 hours. ("33" will be displayed for 10 seconds for 3,200 to 3,299 hours.)
- To erase the cylinder rotation accumulated time display, press the RESET button on the remote control during the accumulated time display.



1. DISASSEMBLY

1-1. REMOVAL OF CABINET, MECHANISM UNIT, AND MAIN BOARD

REMOVING THE CABINET PARTS (Fig. 1-1-1)

1. Remove the cabinet and bottom cover by removing the four screws ① and four screws ②.
2. Remove the front panel by removing the locks of the clamps (A) using a screwdriver, etc. and slightly rotating the bottom part in the direction of the arrow.

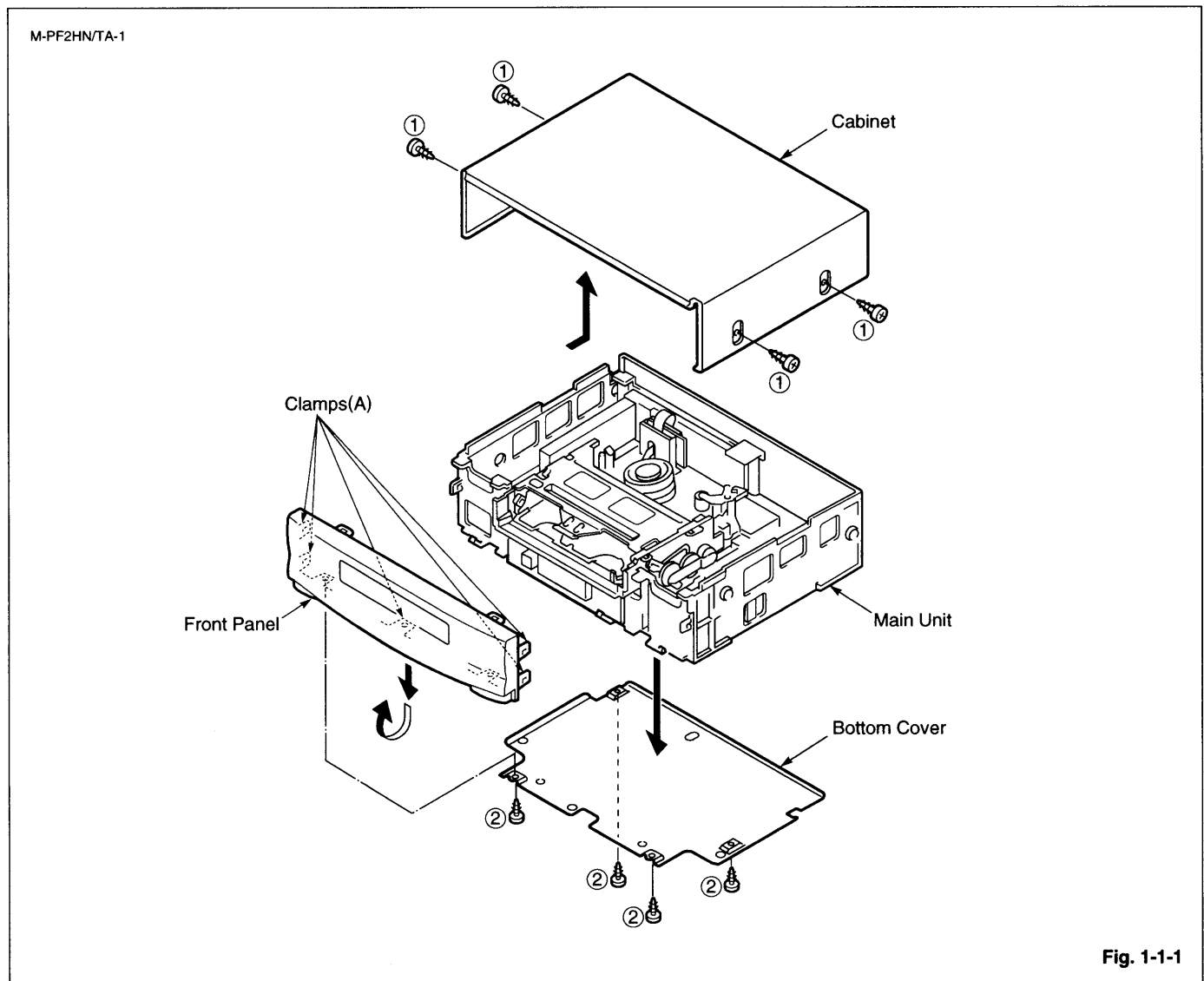
Notes:

- Electrical adjustments for the this model can be performed with only the cabinet removed.
- When replacing the bottom cover, do not tighten the screws ② too much. Excess tightness may damage the screws taps on the chassis.

REMOVING THE MECHANISM MAIN UNIT AND THE CP-1 PWB ASSEMBLY (Fig. 1-1-2 and 1-1-3)

After removing the cabinet parts, remove the mechanism unit and the CP-1 PWB assembly connected as follows.

1. Spread out the lock clamps (C) in the arrow direction slightly and remove the TM-1 PWB as shown in Fig. 1-1-2.
2. Remove the screw ④ at the chassis.
3. Remove the screw ⑤ in the chassis, the screw ⑥, and the holder in this order.
4. Remove the two screws ⑦ and two screws ⑧ of the mechanism unit. The two screws ⑧ of the cassette tray can be removed easily by pushing the tray lock lever in the arrow direction to remove the lock as shown in the enlarge view A and by pushing the lid opener lever in the arrow direction to remove the lock as shown in the enlarge view B.
5. Lift up the whole mechanism unit and main board (CP-1 PWB assembly), and as shown in Fig. 1-1-3, push the two lock clamps (D) of the chassis in the arrow direction so that they can be removed from the chassis.



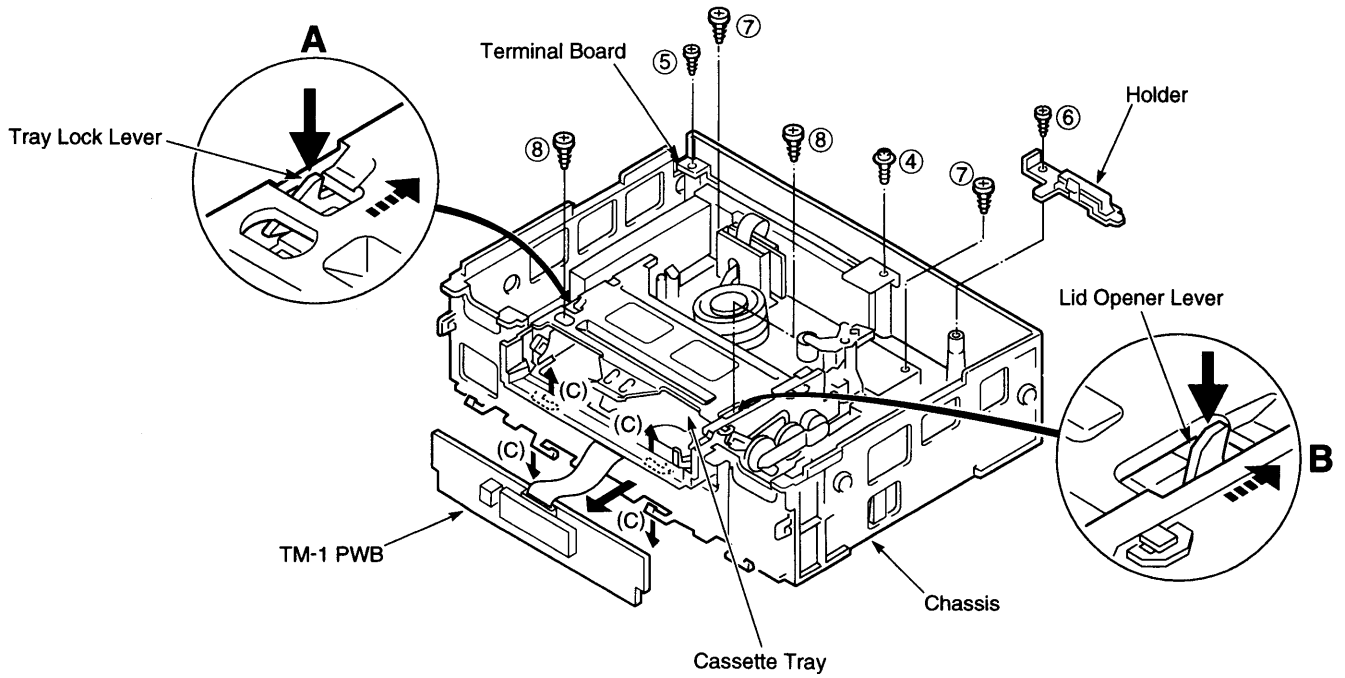


Fig. 1-1-2

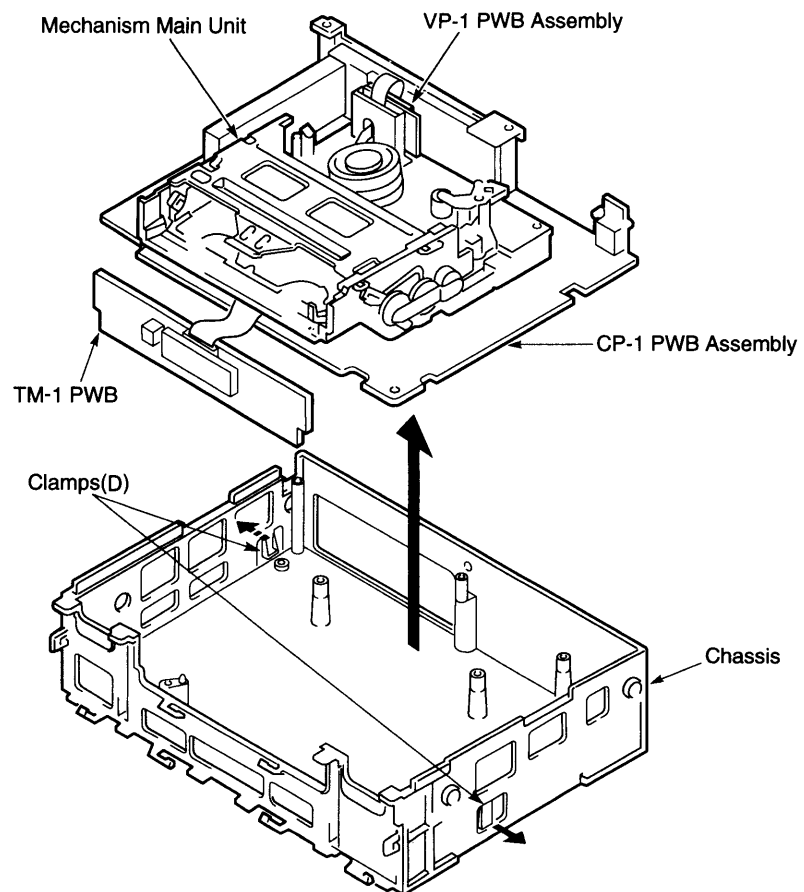
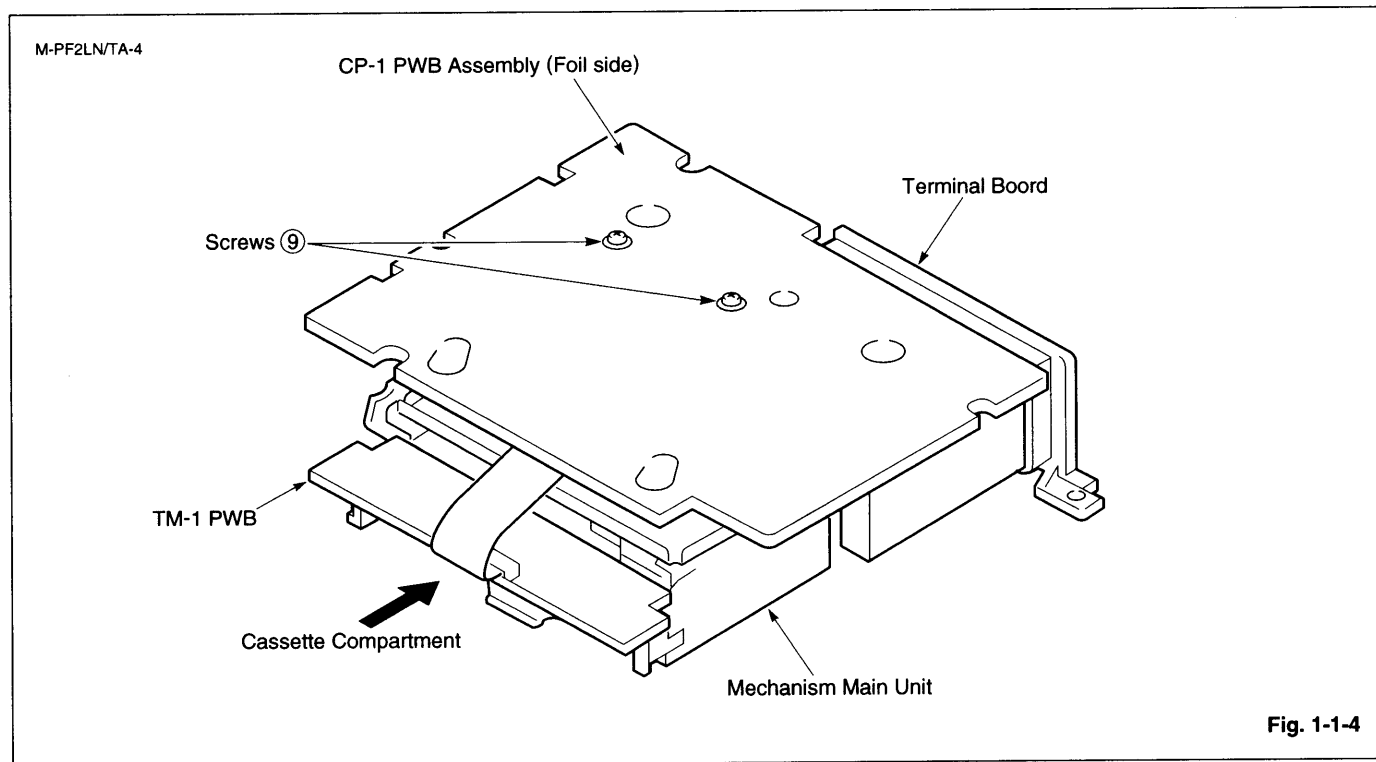


Fig. 1-1-3

1-2. TEMPORARILY SETTING UP AND CONNECTING CP-1 PWB ASSEMBLY

The following is an example of how to place and connect the main board without a jig, when repairing the CP-1 PWB assembly.

1. Place the mechanism unit and main board up side down as a whole on a flat surface with foil side of the main board facing up.
2. Operate the unit using the buttons on TM-1 PWB or the remote control.

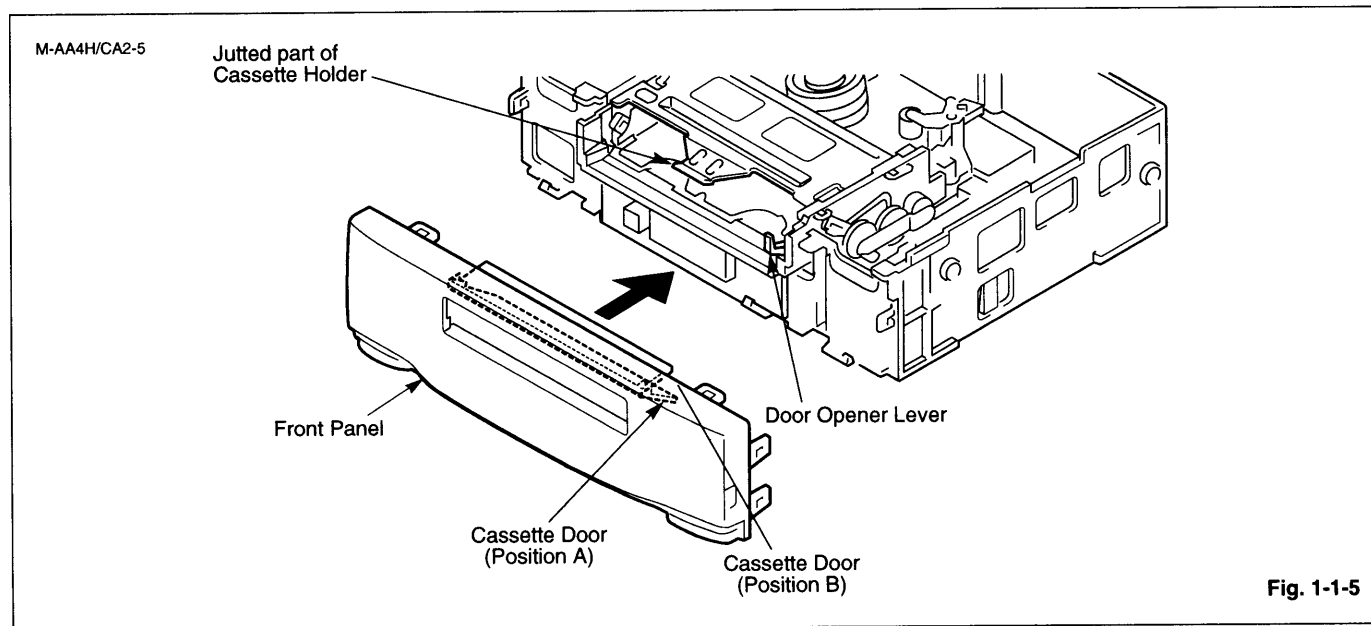


1-3. INSTALLATION OF THE FRONT PANEL

When installing the front panel to the chassis after repairs and adjustments.

1. Pressing down the door opener lever of the mechanism main unit.
2. Set the cassette door to half-opened state as shown in Fig. 1-1-5, and install the front panel to the chassis.

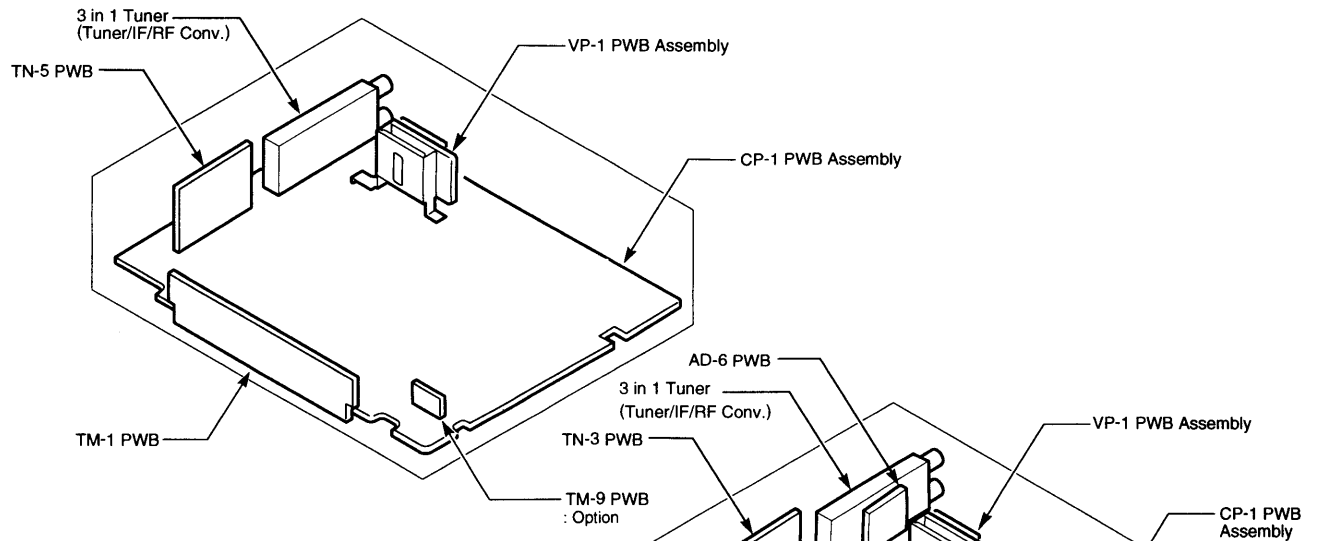
Note: Opened cassette door position does not install the front panel to the chassis.



1-4. CIRCUIT BOARD LOCATIONS

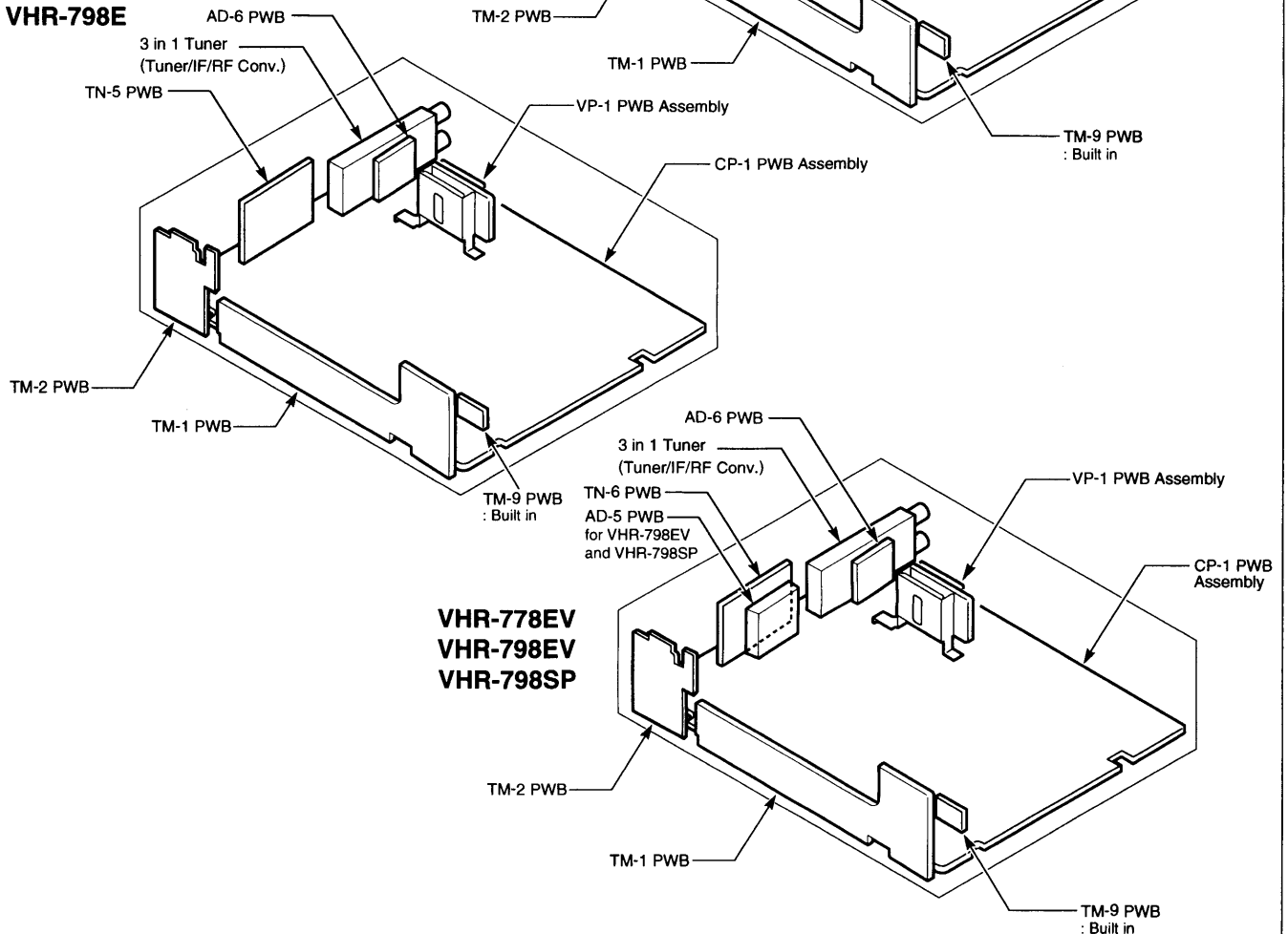
L-MP4HN/EGD, AP4HN/G2, AP4HN/E, AP4HN/EV

VHR-768IR



VHR-778EX

VHR-798E



VHR-778EV VHR-798EV VHR-798SP

2. ELECTRICAL ADJUSTMENT

VCR PRESETTING

This VCR need three basic presetting by using the menus displayed on-screen. After all connection have been made, then follow steps 1 to 3 to preset the VCR.

The three presetting steps will be displayed in sequence on TV screen. The setting are entered with the remote control.

Turn on the VCR

1. Adjusting the TV receiver to the video channel: The AUTO SETUP screen will appear. When the video channel has been preset, press the OK button on the remote control.
2. Country selection: Using the numeric button, select the country of use.
3. Language selection: When the desired language has been select, press the MENU/TV button directly before prevent auto tuning will start.

When steps 1 to 3 have been finish, ready to operate the all operating mode.

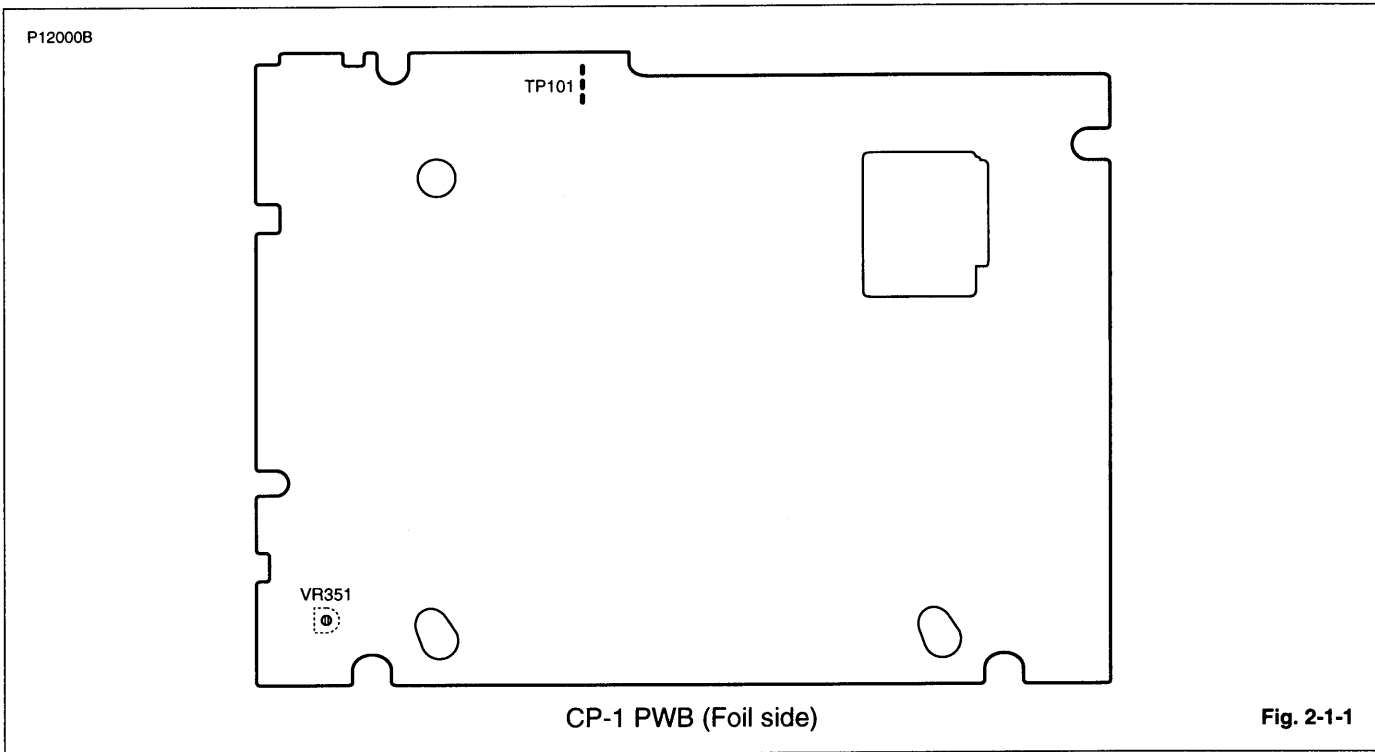
2-1. SERVO CIRCUIT ADJUSTMENT

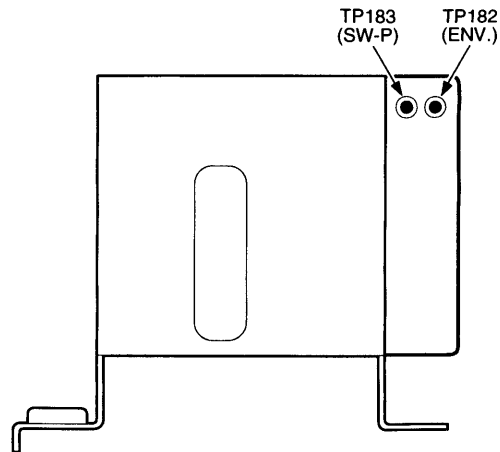
- These adjustments should be done upon completion of the tape transport adjustments.
- If the tape transport adjustments (except the tilt adjustment) are done after these adjustments, follow the procedures again in section 2-1-3, "Switching position adj."
- When a cassette tape is loaded, auto-tracking will be set immediately after starting the first playback. As this will daviate the tracking center set, be sure to press the channel buttons (+) and (−) once directly after starting playback to prevent auto-tracking from being set.

2-1-1. TEST EQUIPMENT AND STANDARDS REQUIRED

Oscilloscope	Vertical sensitivity : 5 mV/DIV, external trigger Bandwidth : more than 10 MHz
Alignment Tape	VHJ-0009 or VHJ-0023 : SP mode, monoscope, 6 KHz
Blank Tape	VHS-type cassette tape
Monitor TV	

2-1-2. LOCATION OF ADJUSTMENT POINTS





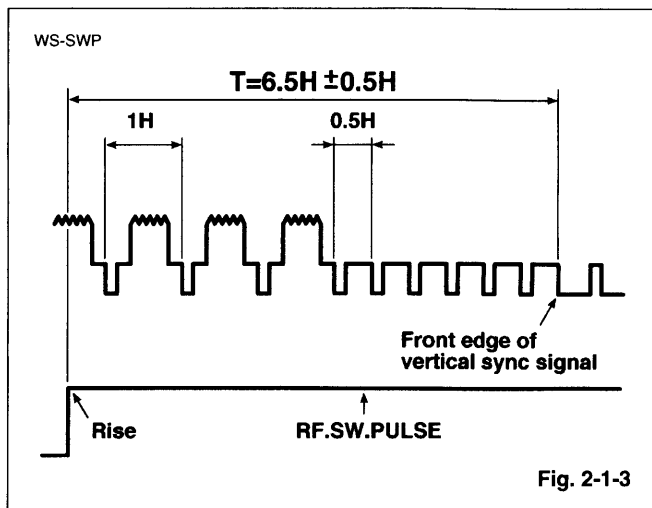
VP-1 PWB Assembly

Fig. 2-1-2

2-1-3. SWITCHING POSITION ADJ.

Measuring Point	Measuring Equipment	Adj. Condition
TP101 (VIDEO OUT) TP183 (SW-P)	Oscilloscope	PLAY (SP) mode Alignment tape (VHJ-0009 or VHJ-0023)
Adj. Location		Adj. Value
VR351 (SW-P)		$6.5 H \pm 0.5 H$

1. Play back the alignment tape.
2. Set the tracking control position to the center by pressing CHANNEL buttons (+) and (−) simultaneously.
3. Adjust VR351 (SW-P) so that the width of "T" becomes $6.5 H \pm 0.5 H$ as shown in Fig. 2-1-3.

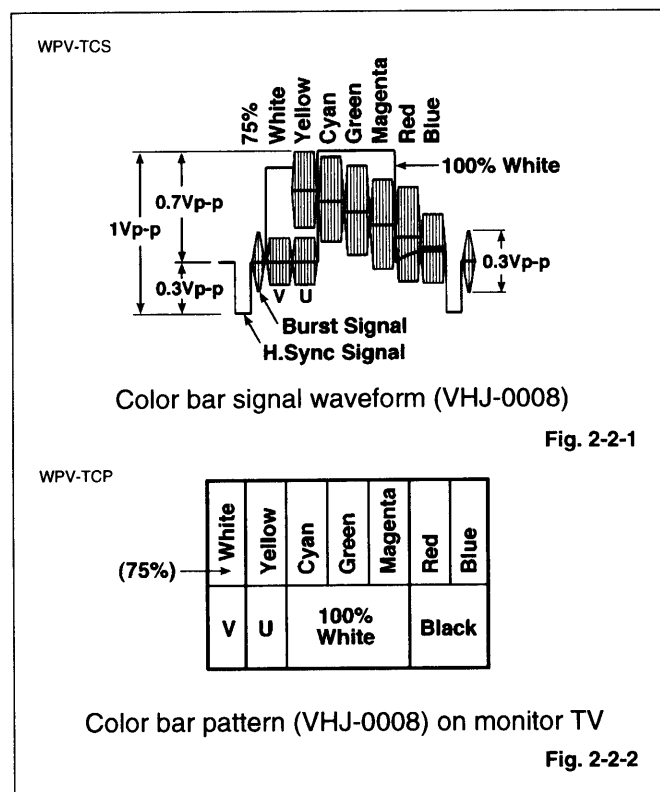


2-2. VIDEO CIRCUIT RELAY JIG

2-2-1. TEST EQUIPMENT AND STANDARDS REQUIRED

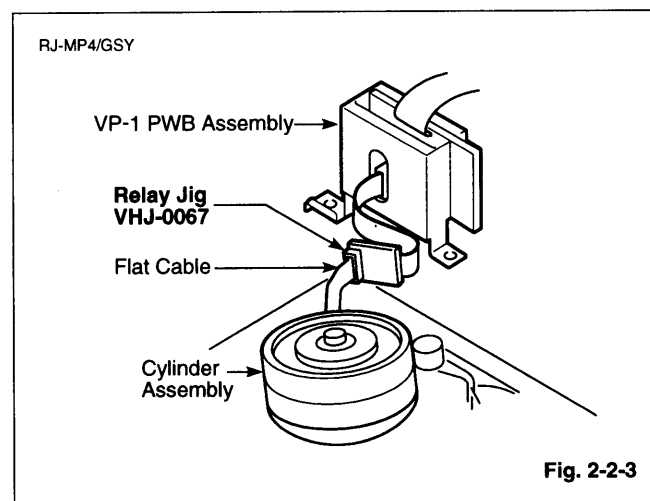
Color Bar Signal Generator	PAL Color bar signal with 100% white level (EBU color bar signal)
Oscilloscope	Vertical sensitivity : 5 mV/DIV, external trigger Bandwidth : more than 10 MHz
Oscilloscope Probe	Input capacity : less than 25 pF (10:1) less than 40 pF (1:1) Covering frequency : DC ~ 40 MHz (10:1) DC ~ 30 MHz (1:1)
Digital Voltmeter	DC range
Alignment Tape	VHJ-0008 or VHJ-0023 : SP mode, color bar, 1 kHz (Color bar signal waveform is described below. Refer to Fig. 2-2-1)
Relay Jig	VHJ-0067 : 12-wire flat cable for VP-1 PWB assembly

ALIGNMENT TAPE COLOR BAR SIGNAL



RELAY JIG

Connect the flat cable end from the cylinder assembly to the VP-1 PWB assembly using the relay jig to provide simple repairing of the VP-1 PWB assembly, as shown in Fig.2-2-3. Further, when adjusting the VP-1 PWB assembly, be sure to make contact an end of shield case with bracket of the VP-1 PWB assembly to maintain the shield effect. If the VP-1 PWB assembly does not contact, there is insufficient ground and no proper play back image can be obtained.



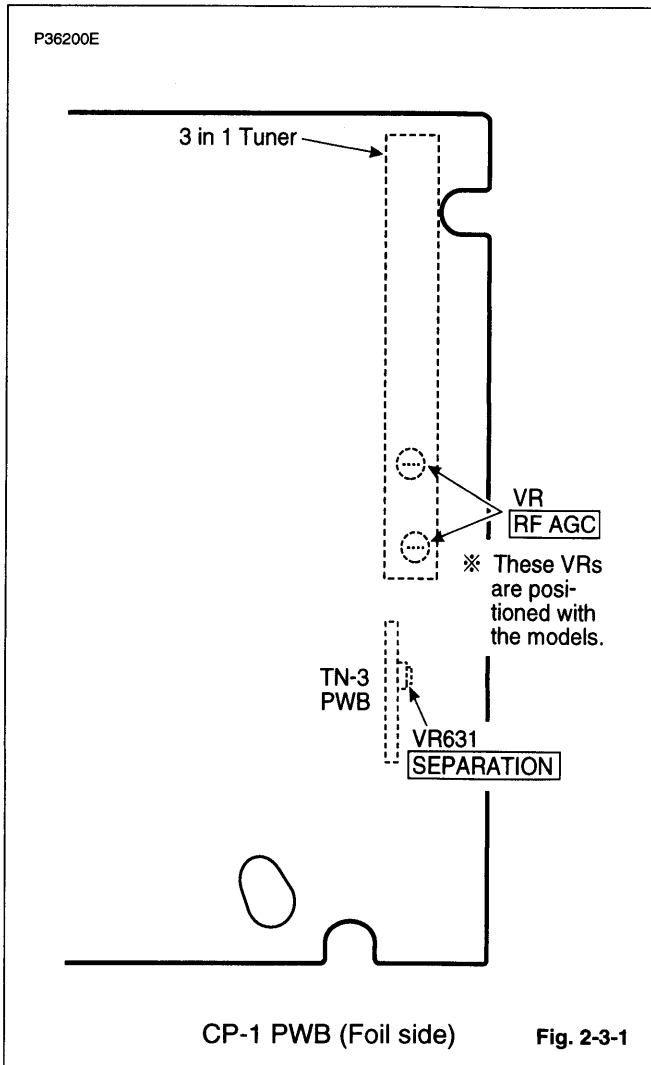
2-3. MTS DECODER CIRCUIT ADJUSTMENT for VHR-778EX

- If adjusting the MTS Decoder circuit, special equipment shown in section 2-4-1. is necessary.
- Improper adjustment will cause loss of performance of stereo sound and bilingual sound detection.
- Before making these adjustments, be sure to make the adjustments described in section 2-1. " Servo Circuit.", section 2-2. "Video Circuit Relay Jig."

2-3-1. TEST EQUIPMENT AND STANDARDS REQUIRED

Audio Multiplex TV signal Generator	
Oscilloscope	
AC Voltmeter	
Low Path Filter	15 kHz (48dB/oct)

2-3-2. LOCATION OF ADJUSTMENT POINTS



Note:

- Set the following remote control button to the positions indicated below, before making following adjustments.

REMOTE CONTROL BUTTON	POSITION
TAPE SPEED	SP
INPUT	AV
AUDIO	LR

2-3-3. SEPARATION ADJ.

Measuring Point	Measuring Equipment	Adj. Condition
AUDIO OUTPUT terminal EURO pin3 (Lch)	Audio Multiplex TV signal generator Oscilloscope Low path filter 15 kHz (48 dB/oct)	E-E mode
Adj. Location		Adj. Value
VR631 (SEPARATION)		Minimum level

1. Input the output signal of the audio multiplex TV signal generator into the VCR ANT input terminal.
2. Connect the oscilloscope to the audio output terminal EURO pin 3 (Lch) of the VCR via the LPF.
3. Set the audio multiplex TV signal generator as follows.
Audio signal Rch: 1 kHz 30% modulation
Audio signal Lch: Unmodulation
4. Adjust VR631 (SEPARATION) so that the output of the audio output terminal (Lch) is brought to its minimum level.

2-4. IF CIRCUIT ADJUSTMENT

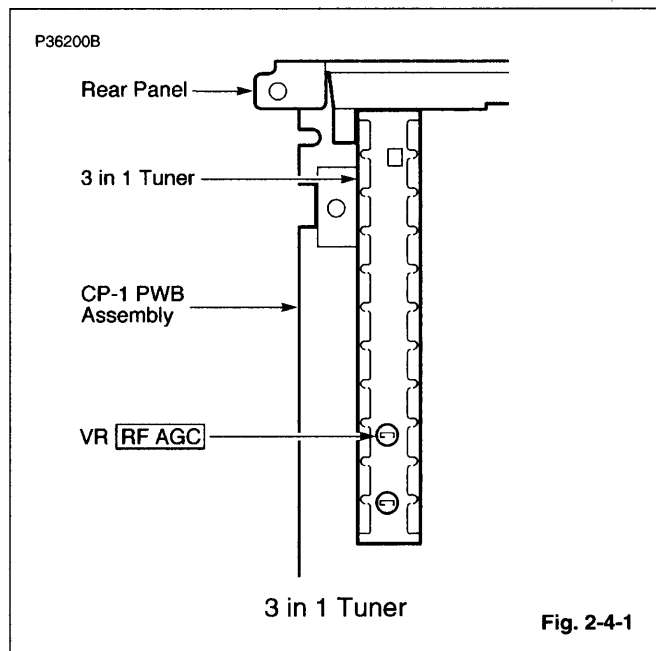
- In this model, the circuits of the TUNER, IF, and RF converter have been made into one. Therefore, should one circuit malfunction, the whole unit must be replaced.
- The adjustments for the IF (RF AGC) circuit of the 3 in 1 tuner are described below.

Note: The 3 in tuner dose not need any adjustments, because precise adjustments were down before shipment.

2-4-1. TEST EQUIPMENT AND STANDARD REQUIRED

Monitor TV	
------------	--

2-4-2. LOCATION OF ADJUSTMENT POINT



2-4-3. RF AGC ADJ.

Measuring Point	Measuring Equipment	Adj. Condition
Picture of monitor TV	Monitor TV	E-E mode
Adj. Location		Adj. Value
VR (RF AGC) (on the 3 in 1 tuner)		S/N is best point

1. Connect the monitor TV to the VHF/UHF antenna output terminal.
2. Connect the VHF or UHF antenna to the VHF/UHF antenna input terminal.
3. Receive the middle electrical field (70 dBμ ~ 90 dBμ) of the VHF or UHF channel, and slowly turn the VR (RF AGC) from the point where snow-noise is present to the point where it just disappears from the monitor TV.
4. Confirm by monitor TV that there is no beat and saturation (S/N is best point) when receiving any TV channel.

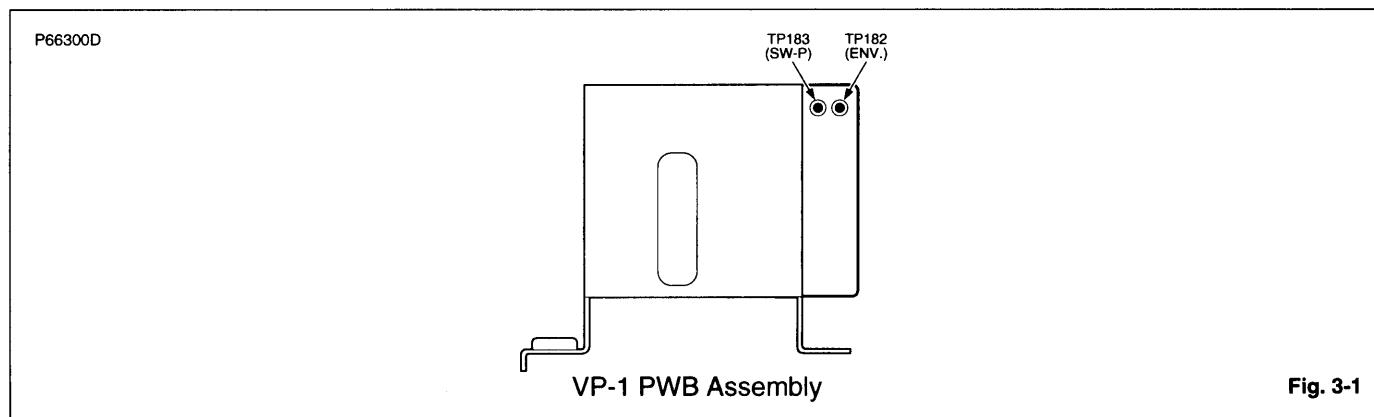
2-5 . CHECKING THE RF CHANNEL

If the TV and VCR are connected by an aerial output cable which has poor shielding characteristics, turn off the RF converter of the VCR and use the VCR with an AV cable. To turn the RF converter off, input "00" when setting the RF (when "RF" is displayed) during VCR pre-setting.

3. TEST POINTS FOR TAPE PATH ADJUSTMENT

Test points TP182 (ENV) and TP183 (SW-P) for tape path adjustment are shown in figure below.

For adjustment, refer to the separate volume "V95 I Mechanism Manual" (MM531433) and "V95 II Mechanism Manual" (MS531500).

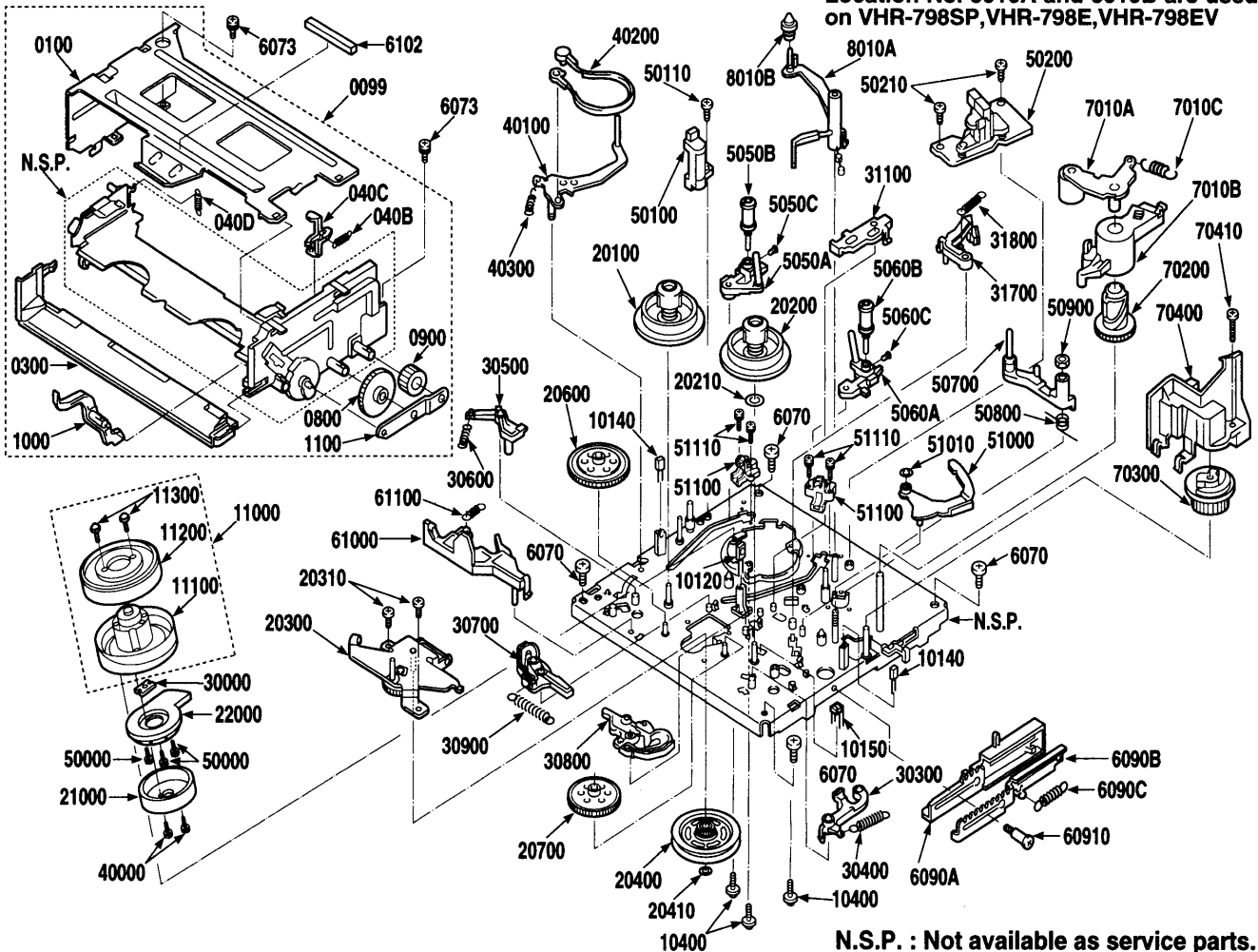


4. PARTS LIST

MECHANISM PARTS

LOCATION	PARTS NO.	DESCRIPTION	LOCATION	PARTS NO.	DESCRIPTION
MECHANISM PARTS 1					
11000	613 164 5981	COMPL,CYLINDER,4H6P-R2	20100	613 169 0974	REEL,SUPPLY,EXCEPT VHR-798SP,VHR-798E
11100	613 096 2751	ASSY,CYLINDER,LWR 6K	OR	613 160 5503	ASSY,REEL SUPPLY, EXCEPT VHR-798SP,VHR-798E
11200	613 164 6001	ASSY,CYLINDER,UPR 4H6P-R2	20100	613 176 2343	ASSY,REEL SUPPLY,VHR-798SP,VHR-798E
11300	411 038 1608	SCR PAN+W 3X8	OR	613 169 3722	ASSY,REEL SUPPLY,VHR-798SP,VHR-798E
21000	645 015 7875	MOTOR,ROTOR,CYL DC 2W	20200	613 160 4193	ASSY,REEL TAKE UP
22000	645 015 7868	MOTOR,STATOR,CYL DC 2W	OR	613 168 1514	ASSY,REEL TAKE UP
OR	645 026 7802	MOTOR,STATOR,CYL DC 2W	20210	412 021 5306	SPECIAL WASHER 3.1X6X0.3
30000	613 097 2170	SPACER,MOTOR	OR	412 015 8900	SPECIAL WASHER 3.1X6X0.4
40000	412 036 5001	SPECIAL SCREW 2.3X6	OR	412 015 8504	SPECIAL WASHER 3.1X6X0.5
50000	412 036 4905	SPECIAL SCREW 2.3X10	20300	613 175 0661	COMPL,MOUNTING CLUTCH
			OR	613 171 6896	COMPL,MOUNTING CLUTCH
6073	412 048 8205	SPECIAL SCREW-2.6X6	20310	412 048 7505	SPECIAL SCREW-2.6X4
6102	613 151 6618	PAD	20400	613 151 9701	PULLEY,REEL
0099	613 152 0578	COMPL,CASSETTE MECHANISM	20410	412 045 4606	SPECIAL WASHER 2.4X6X0.25
0100	613 152 0738	STAND L	20600	613 152 2749	GEAR,REEL S
0300	613 152 0660	FRAME UNDER	20700	613 152 2756	GEAR,REEL T
040B	613 152 0417	SPRING,LID OPENER	30300	613 160 3356	ASSY,BRAKE SOFT T
040C	613 152 0707	LEVER,RELEASE	30400	613 152 0295	SPRING,SOFT T
040D	613 152 0424	SPRING,TRAY LOCK	30500	613 151 9411	LEVER,SOFT S
0800	613 152 2794	GEAR,LOCK	30600	613 152 0318	SPRING,SOFT S
0900	613 152 2800	GEAR,PINION	30700	613 160 6166	ASSY,BRAKE,S
1000	613 151 9480	LEVER,DOOR OPENER	30800	613 159 2193	ASSY,BRAKE T
1100	613 151 9299	HOLDER,GEAR	30900	613 163 6996	SPRING,BRAKE
6070	411 021 7907	SCR S-TPG BIN 4X12	31100	613 152 0189	SLIDE,ACT BRAKE T
51100	613 160 7057	MOUNTING,CATCHER	31700	613 151 8490	ASSY,BRAKE CAPSTAN
51110	412 049 1700	SPECIAL SCREW-2.6X10	31800	613 152 0356	SPRING,BRAKE CAPSTAN
10120	407 162 1102	LED LN59L(D8003)	40100	613 151 8759	ASSY,LEVER,BT
10140	407 162 8705	PHOTO DIODE PN263L-(NC) (D8001,D8002) S,T SENSOR	40200	613 160 5282	ASSY,BRAKE,BAND
10150	407 165 8108	PHOTO COUPLE SG-105F(PC801)	40300	613 152 0271	SPRING,BT
OR	407 043 0101	PHOTO DIODE ON2170-R(PC801)	50100	645 017 6432	HEAD,ERASE FULL
10400	412 052 6204	SPECIAL SCREW-2.6X5.5	50110	412 048 9707	SPECIAL SCREW-2.6X10
			50200	613 176 8406	ASSY,HEAD R/P ACE
			50210	412 052 3500	SPECIAL SCREW 2.6X12

Note:
Location No. 8010A and 8010B are used
on VHR-798SP,VHR-798E,VHR-798EV

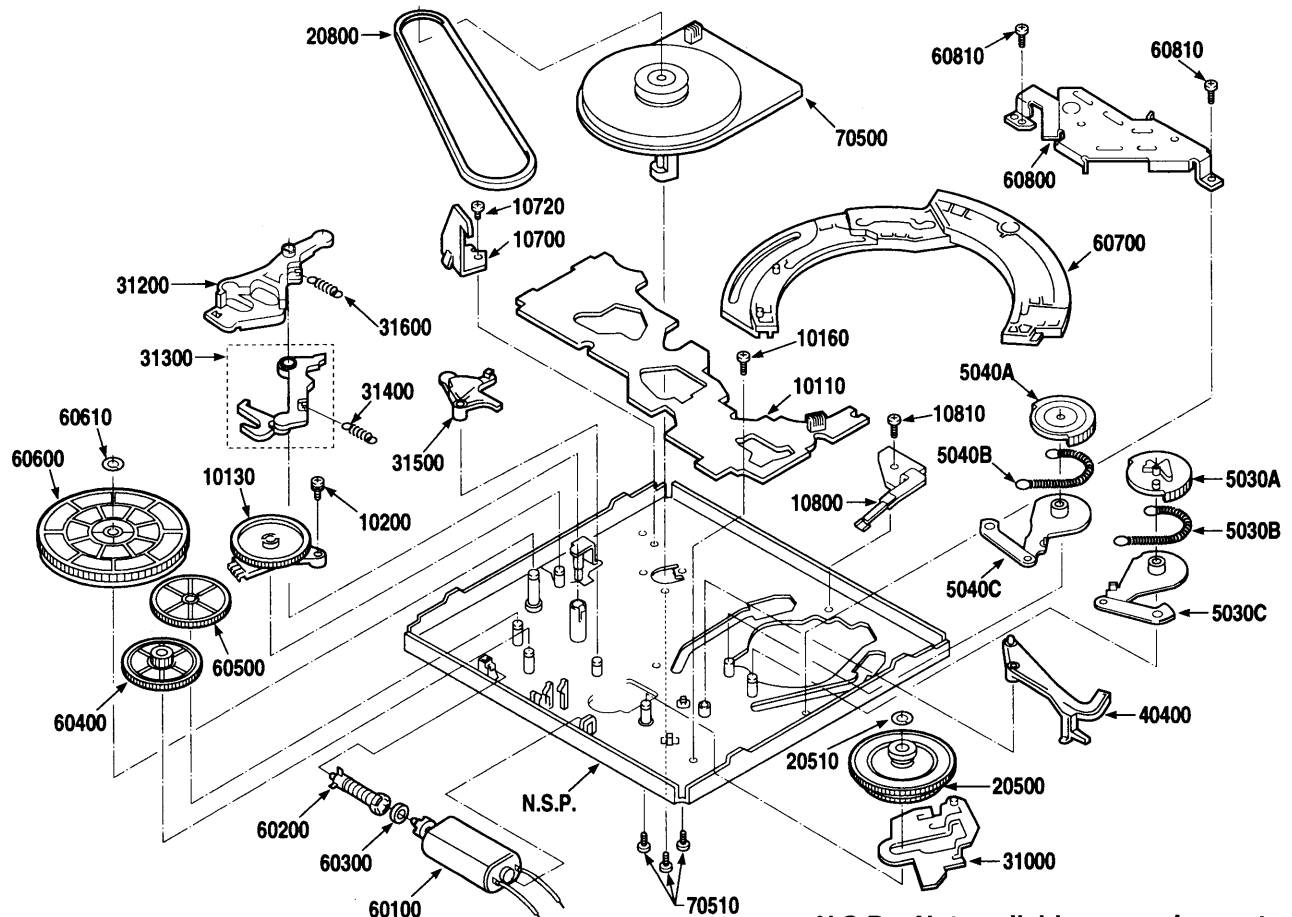


LOCATION	PARTS NO.	DESCRIPTION
5050A	613 164 7237	ASSY,MOUNTING,INCLINE S
5050B	613 022 0233	ASSY,GUIDE,ROLLER
5050C	412 048 4504	SPECIAL SCREW-2X3
5060A	613 164 7251	ASSY,MOUNTING,INCLINE T
5060B	613 022 0233	ASSY,GUIDE,ROLLER
5060C	412 048 4504	SPECIAL SCREW-2X3
50700	613 164 4762	ASSY,LEVER,LOAD
50800	613 152 0387	SPRING,LEVER L GUIDE
50900	412 048 8908	SPECIAL NUT-3X3
51000	613 173 6153	ASSY,LEVER,ACT L GUIDE
OR	613 161 2365	ASSY,LEVER,ACT L GUIDE
51010	412 033 4106	WASHER SLIT 2.6X5X0.50
6090A	613 151 9152	GEAR,RACK FRONT
OR	613 160 4636	GEAR,RACK FRONT
6090B	613 151 9114	GEAR,RACK START
6090C	613 152 0226	SPRING,RACK FRONT
60910	412 050 2802	SPECIAL SCREW-2.6X6
61000	613 151 9398	LEVER,EP SW
61100	613 152 3692	SPRING,EP SW
7010A	613 151 8803	ASSY,LEVER,PINCH ROLLER
OR	613 175 1194	ASSY,LEVER,PINCH ROLLER
7010B	613 171 0221	MOUNTING,LIFT PINCH
7010C	613 152 0233	SPRING,PINCH ROLLER
70200	613 156 3841	CAM,LIFT PINCH
70300	613 152 0677	GEAR,CAM PINCH
70400	613 152 0714	MOUNTING,OPENER
70410	412 049 1106	SPECIAL SCREW-2.6X16
8010A	613 171 9606	LEVER,CLEANER, VHR-798SP,VHR-798E,VHR-798EV
8010B	613 171 9439	ASSY,MOUNTING CLEANER, VHR-798SP,VHR-798E,VHR-798EV

MECHANISM PARTS 2

10110	613 173 9451	COMPL PWB,MC-1, EXCEPT VHR-798SP,VHR-798E
10110	613 177 0379	COMPL PWB,MC-1,VHR-798SP,VHR-798E

LOCATION	PARTS NO.	DESCRIPTION
10130	645 007 1560	SWITCH,MODE(S8001)
10160	412 048 7505	SPECIAL SCREW-2.6X4
10200	412 048 8304	SPECIAL SCREW-2.6X8
10700	613 167 5926	MOUNTING CAPSTAN
10720	412 048 8007	SPECIAL SCREW-2.6X6
10800	613 165 8523	ASSY,EARTH CYL
10810	412 048 8007	SPECIAL SCREW-2.6X6
20500	613 160 4186	ASSY,GEAR,FRICTION
20510	411 109 1605	WASHER Y 2.6X6X0.25
20800	613 151 9039	BELT,REEL
31000	613 152 0165	SLIDE,ACT BRAKE S
31200	613 159 0991	LEVER,CONTROL BRAKE
31300	613 159 0847	COMPL,LEVER,ACT BRAKE
31400	613 152 0332	SPRING,RETURN BRAKE
31500	613 151 9459	LEVER,CHANGE CLUTCH
31600	613 152 0349	SPRING,CHANGE CLUTCH
40400	613 153 7583	ASSY,LEVER SPRING BT
5030A	613 152 2763	GEAR,LOAD S
5030B	613 152 0370	SPRING,LOAD S
5030C	613 160 3691	ASSY,LEVER,LOAD S
5040A	613 152 2770	GEAR,LOAD T
5040B	613 152 0363	SPRING,LOAD T
5040C	613 160 3707	ASSY,LEVER,LOAD T
60100	645 003 4305	ASSY,MOTOR LOADING
60200	613 151 8599	COMPL,GEAR,WORM
60300	613 151 9107	DAMPER
60400	613 151 9138	GEAR,WHEEL 1
60500	613 160 3790	GEAR,WHEEL 2
60600	613 156 4008	CAM,MAIN
60610	412 054 6806	SPECIAL WASHER 3.6X0.5
60700	613 159 9017	SLIDE,CRESCENT
60800	613 159 8997	MOUNTING,CRESCENT
60810	412 048 8007	SPECIAL SCREW-2.6X6
70500	645 026 7826	MOTOR,CAPSTAN DC 3W
70510	412 048 7604	SPECIAL SCREW-2.6X6



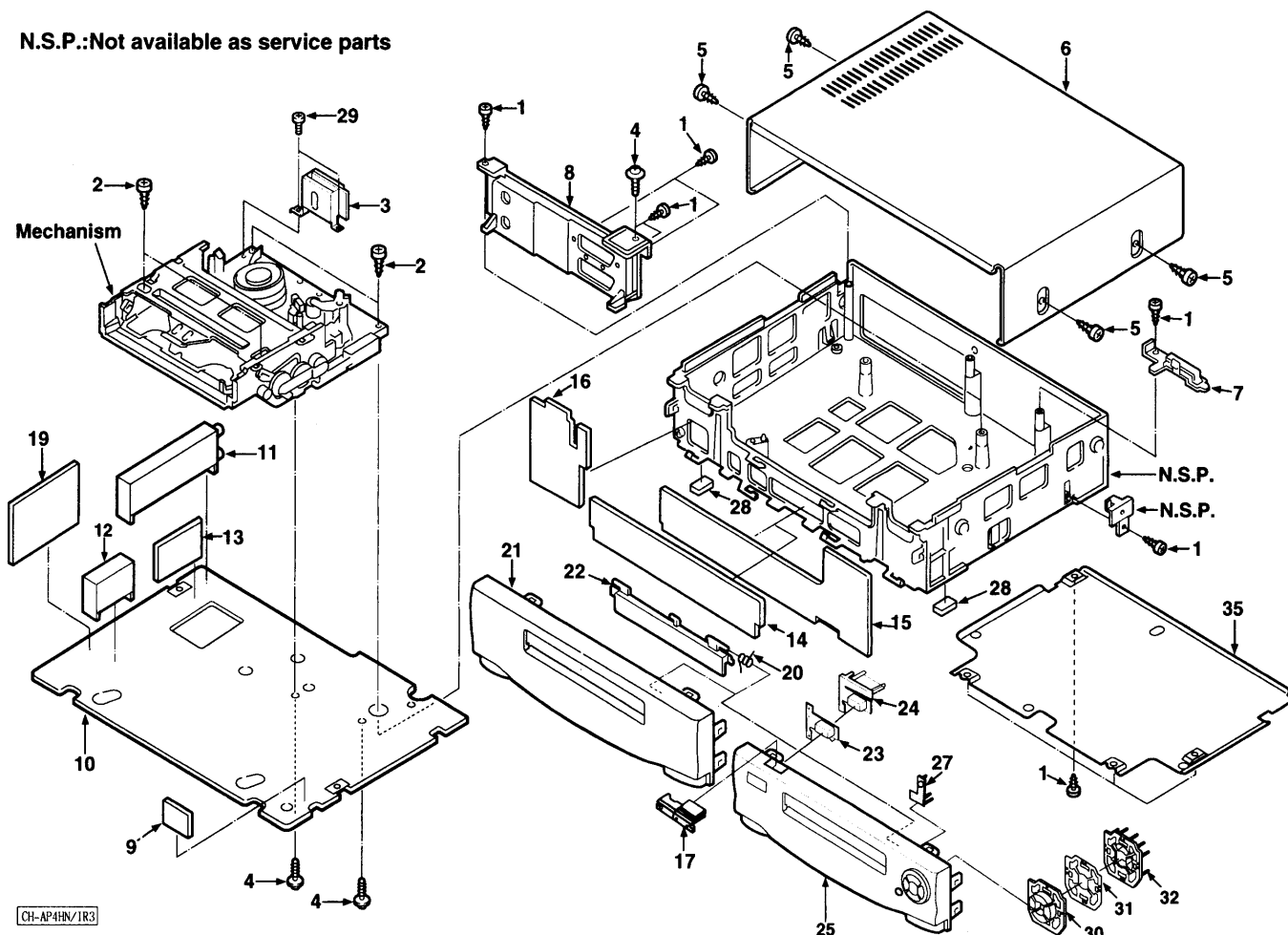
N.S.P. : Not available as service parts.
MECHANISM-PART 2

4. PARTS LIST

CABINET & CHASSIS PARTS

LOCATION	PARTS NO.	DESCRIPTION	LOCATION	PARTS NO.	DESCRIPTION
1	411 137 0007	SCR L-TPG BIN 3X10	16	613 179 6294	COMPL PWB,TM-2,VHR-798SP,VHR-798EV
2	411 021 7907	SCR S-TPG BIN 4X12	16	613 179 6270	COMPL PWB,TM-2,VHR-798E ONLY
3	613 178 7841	COMPL PWB,VP-1,VHR-798E,VHR-768IR	17	613 174 0921	DEC WINDOW,VHR-798E ONLY
3	613 179 0124	COMPL PWB,VP-1, EXCEPT VHR-798E,VHR-768IR	19	613 173 4470	COMPL PWB,TN-3,VHR-778EX ONLY
4	412 052 5108	SPECIAL SCREW-2.6X12	19	613 161 6226	COMPL PWB,TN-5,VHR-798E,VHR-768IR
5	412 028 9406	SPECIAL SCREW	19	613 178 9289	COMPL PWB,TN-6, VHR-778EV,VHR-798SP,VHR-798EV
6	613 160 6036	COVER TOP,VHR-768IR ONLY	20	613 153 0478	SPRING
OR	613 177 5381	COVER TOP,VHR-768IR ONLY	21	613 178 8312	ASSY,CABINET FRONT SID,VHR-768IR ONLY
6	613 163 4794	COVER TOP,EXCEPT VHR-768IR	22	613 180 6320	DOOR CASSETTE,VHR-798SP ONLY
OR	613 177 5404	COVER TOP,EXCEPT VHR-768IR	22	613 181 8361	DOOR CASSETTE,VHR-798EV ONLY
7	613 160 2885	HOLDER,AC INLET	22	613 179 1206	DOOR CASSETTE,VHR-768IR ONLY
8	613 173 5620	TERMINAL,VHR-768IR ONLY	22	613 179 7673	DOOR CASSETTE,VHR-798E ONLY
8	613 173 4418	TERMINAL,VHR-798SP,VHR-798EV	22	613 180 4845	DOOR CASSETTE,VHR-778EV ONLY
8	613 173 3244	TERMINAL,VHR-778EX,VHR-778EV,VHR-798E	22	613 180 5132	DOOR CASSETTE,VHR-778EX ONLY
9	613 179 1091	COMPL PCB,TM-9 (Built In),EXCEPT VHR-768IR	23	613 178 9777	BUTTON,POWER, EXCEPT VHR-798E,VHR-768IR
9	613 179 1091	COMPL PCB,TM-9 (Option),VHR-769IR ONLY	24	613 179 0285	HOLDER,POWER, EXCEPT VHR-798E,VHR-768IR
10	613 180 9093	COMPL PWB,CP-1-A,VHR-768IR ONLY	24	613 179 3125	BUTTON,POWER,VHR-798E ONLY
10	613 180 8232	COMPL PWB,CP-1-A,VHR-798EV ONLY	25	613 181 9665	ASSY,CABINET FRONT SID, VHR-778EX,VHR-778EV
10	613 180 6863	COMPL PWB,CP-1-A,VHR-778EX ONLY	25	613 180 8102	ASSY,CABINET FRONT SID,VHR-798E ONLY
10	613 180 6870	COMPL PWB,CP-1-A,VHR-778EV ONLY	25	613 179 7383	ASSY,CABINET FRONT SID, VHR-798SP,VHR-798EV
10	613 179 7024	COMPL PWB,CP-1-A,VHR-798SP ONLY	27	613 178 9784	BUTTON,REC,EXCEPT VHR-768IR
10	613 179 7000	COMPL PWB,CP-1-A,VHR-798E ONLY	28	613 121 1001	STAND,FELT, (FRONT)
11	645 019 0094	TUNER,RF/TU/IF,VHR-768IR ONLY	29	411 001 1901	SCR S-TPG BIN 3X6
11	645 019 0070	TUNER,RF/TU/IF,EXCEPT VHR-798E,VHR-768IR	30	613 179 5075	BUTTON 5P,VHR-798SP,VHR-798EV
11	645 019 0117	TUNER,RF/TU/IF,VHR-798E ONLY	30	613 180 5828	BUTTON 5P,VHR-778EX,VHR-778EV,VHR-798E
12	613 176 3982	COMPL PWB,AD-5,VHR-798SP,VHR-798EV	31	613 179 5297	DEC SHEET,EXCEPT VHR-768IR
13	613 179 8366	COMPL PWB,AD-6,EXCEPT VHR-768IR	32	613 179 0520	HOLDER 5P,EXCEPT VHR-768IR
14	613 178 7803	COMPL PWB,TM-1,VHR-768IR ONLY	35	613 160 5091	COVER BOTTOM
15	613 178 9944	COMPL PWB,TM-1,VHR-778EX,VHR-778EV			
15	613 179 6287	COMPL PWB,TM-1,VHR-798E ONLY			
15	613 179 6317	COMPL PWB,TM-1,VHR-798SP,VHR-798EV			
16	613 178 9951	COMPL PWB,TM-2,VHR-778EX,VHR-778EV			

N.S.P.:Not available as service parts



Note:

Resistors

MT-FILM	Metallized Film Resistor
MT-GLAZE	Metallized Glaze Resistor
OXIDE-MT	Oxide Metallized Film Resistor

Capacitors

MT-POLYEST
MT-COMPO
TA-SOLD
AL-SOLID
NP-ELECT
QS-SOLID

DL-ELECT

Metallized Polyester Capacitor
Metallized Composite Capacitor
Tantalum Solid Capacitor
Aluminum Solid Capacitor
Non-Polarized Electrolytic Capacitor
Aluminum Solid Capacitors with Organic
Semiconductive Electrolytic Capacitor
Double Layered Electrolytic Capacitor

2. Tolerance of Capacitor (10pF over) and Resistor are noted with follow symboles.

F	1%	G	2%	J	5%	K	10%
M	20%	N	30%	Z	+80% ~ -20%		

3. Capacitors

U : μF P : pF

4. Inductors

UH : μ H MH : mH

5. N.S.P. : Not available as service parts.

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LOCATION	PARTS NO.	DESCRIPTION	LOCATION	PARTS NO.	DESCRIPTION
Q3551	405 014 4509	TR 2SC2412K-R	IC303	409 421 3704	IC BMR03J-04,VHR-768IR ONLY
OR	405 014 4608	TR 2SC2412K-S	IC304	410 177 3702	IC AT24C04-10PC,EXCEPT VHR-798E
Q3552	405 014 4509	TR 2SC2412K-R	OR	410 189 5800	IC 24LC04B/P,EXCEPT VHR-798E
OR	405 014 4608	TR 2SC2412K-S	OR	409 348 6901	IC XL24C04P,EXCEPT VHR-798E
Q3553	405 014 4509	TR 2SC2412K-R	OR	410 172 6906	IC X24C04PC7346,EXCEPT VHR-798E
OR	405 014 4608	TR 2SC2412K-S	IC304	409 401 6305	IC BR24C02,VHR-798E ONLY
Q3554	405 029 3504	TR DTC144EK	OR	410 177 3603	IC AT24C02-10PC,VHR-798E ONLY
Q3581	405 029 3504	TR DTC144EK,EXCEPT VHR-798E	OR	409 348 6802	IC XL24C02P,VHR-798E ONLY
Q5001	405 126 0208	TR 2SK1460LS,VHR-798E,VHR-768IR	OR	410 172 6807	IC X24C02PC7189,VHR-798E ONLY
Q5002	405 089 2202	TR 2SC4483-T,EXCEPT VHR-798E,VHR-768IR	OR	410 189 5701	IC 24LC02B/P,VHR-798E ONLY
Q5002	405 013 7006	TR 2SC2274-F,VHR-798E,VHR-768IR	IC305	410 264 1604	IC UPD17215GT-592,VHR-798E ONLY
OR	405 013 7303	TR 2SC2274K-F,VHR-798E,VHR-768IR	IC341	409 026 8203	IC L5631,VHR-798E ONLY
Q5003	405 006 6702	TR 2SA984-F,VHR-798E,VHR-768IR	OR	409 057 5103	IC UPC574J,VHR-798E ONLY
OR	405 006 7204	TR 2SA984K-F,VHR-798E,VHR-768IR	IC351	409 409 2507	IC BU2923K
Q5004	405 013 7006	TR 2SC2274-F,VHR-798E,VHR-768IR	IC501	409 409 3801	IC MA3810-4105,EXCEPT VHR-798E,VHR-768IR
OR	405 013 7303	TR 2SC2274K-F,VHR-798E,VHR-768IR	IC511	409 180 2307	IC UPC1093J
Q5101	405 089 2103	TR 2SC4483-S	(DIODES)		
OR	405 089 2202	TR 2SC4483-T	D1005	407 012 4406	DIODE 1SS133
OR	405 104 3108	TR 2SD1858-Q	D1301	407 012 4406	DIODE 1SS133
OR	405 029 4501	TR 2SD1858-R	D1302	407 012 4406	DIODE 1SS133
Q5102	405 089 2103	TR 2SC4483-S	D1303	407 012 4406	DIODE 1SS133,VHR-798SP,VHR-798EV
OR	405 089 2202	TR 2SC4483-T	D1304	407 012 4406	DIODE 1SS133,VHR-798SP,VHR-798EV
OR	405 104 3108	TR 2SD1858-Q	D1341	407 012 4406	DIODE 1SS133,EXCEPT VHR-798SP,VHR-798EV
OR	405 029 4501	TR 2SD1858-R	D1342	407 012 4406	DIODE 1SS133,EXCEPT VHR-798SP,VHR-798EV
Q5103	405 013 6801	TR 2SC2274-E	D1343	407 012 4406	DIODE 1SS133,VHR-798E ONLY
OR	405 013 7006	TR 2SC2274-F	D1344	407 012 4406	DIODE 1SS133,VHR-798E ONLY
OR	405 013 7204	TR 2SC2274K-E	D1345	407 063 8804	ZENER DIODE MTZJ5.6A, VHR-798SP,VHR-798EV
OR	405 013 7303	TR 2SC2274K-F	D1346	407 063 8804	ZENER DIODE MTZJ5.6A, VHR-798SP,VHR-798EV
Q5104	405 125 3200	TR 2SC5070,EXCEPT VHR-798E,VHR-768IR			
Q5104	405 089 2103	TR 2SC4483-S,VHR-798E,VHR-768IR			
OR	405 089 2202	TR 2SC4483-T,VHR-798E,VHR-768IR			
OR	405 104 3108	TR 2SD1858-Q,VHR-798E,VHR-768IR	D1347	407 012 4406	DIODE 1SS133,VHR-778EX,VHR-778EV
OR	405 029 4501	TR 2SD1858-R,VHR-798E,VHR-768IR	D1348	407 012 4406	DIODE 1SS133,VHR-778EX,VHR-778EV
Q5105	405 099 8508	TR 2SC4640S	D2301	407 012 4406	DIODE 1SS133
OR	405 011 8401	TR 2SC1740S-Q	D2341	407 012 4406	DIODE 1SS133
OR	405 093 0607	TR KSC2785-Y	D2371	407 099 7000	ZENER DIODE MTZJ15B
OR	405 099 8607	TR 2SC4640T	D2372	407 063 8804	ZENER DIODE MTZJ5.6A, VHR-798SP,VHR-798EV
OR	405 011 8500	TR 2SC1740S-R	D2373	407 099 7000	ZENER DIODE MTZJ15B,EXCEPT VHR-768IR
Q5110	405 083 6305	TR DTB113ZK,EXCEPT VHR-798E,VHR-768IR		407 063 8804	ZENER DIODE MTZJ5.6A, VHR-798SP,VHR-798EV
Q5111	405 000 2007	TR DTA144EK,EXCEPT VHR-798E,VHR-768IR	D3001	407 012 4406	DIODE 1SS133
Q5112	405 000 4100	TR DTC124EK,EXCEPT VHR-798E,VHR-768IR	D3003	407 012 4406	DIODE 1SS133,EXCEPT VHR-798E,VHR-768IR
Q5113	405 000 2908	TR DTC114EK,EXCEPT VHR-798E,VHR-768IR	D3101	407 012 4406	DIODE 1SS133,EXCEPT VHR-798E,VHR-768IR
Q5114	405 125 3200	TR 2SC5070,EXCEPT VHR-798E,VHR-768IR	D3102	407 012 4406	DIODE 1SS133,EXCEPT VHR-768IR
Q5115	405 029 3504	TR DTC144EK,EXCEPT VHR-798E,VHR-768IR	D3105	407 012 4406	DIODE 1SS133
Q5116	405 000 4100	TR DTC124EK,EXCEPT VHR-798E,VHR-768IR	D3106	407 012 4406	DIODE 1SS133,EXCEPT VHR-768IR
Q5117	405 138 7905	TR DTC123JKA,EXCEPT VHR-798E,VHR-768IR	D3107	407 012 4406	DIODE 1SS133, VHR-798SP,VHR-798E,VHR-798EV
Q5131	405 125 3200	TR 2SC5070,EXCEPT VHR-798E,VHR-768IR	D3108	407 012 4406	DIODE 1SS133,VHR-798SP,VHR-798EV
Q5131	405 089 2103	TR 2SC4483-S,VHR-798E,VHR-768IR		407 012 4406	DIODE 1SS133,VHR-798SP,VHR-798E
OR	405 089 2202	TR 2SC4483-T,VHR-798E,VHR-768IR		407 012 4406	DIODE 1SS133,VHR-768IR ONLY
OR	405 104 3108	TR 2SD1858-Q,VHR-798E,VHR-768IR		407 012 4406	DIODE 1SS133,VHR-798SP,VHR-798EV
OR	405 029 4501	TR 2SD1858-R,VHR-798E,VHR-768IR	D3112	407 012 4406	DIODE 1SS133,EXCEPT VHR-768IR
Q5132	405 000 0409	TR DTA114EK,VHR-798E,VHR-768IR	D3114	407 012 4406	DIODE 1SS133
Q5132	405 000 2007	TR DTA144EK,EXCEPT VHR-798E,VHR-768IR	D3115	407 012 4406	DIODE 1SS133
Q5133	405 000 2908	TR DTC114EK	D3117	407 012 4406	DIODE 1SS133
Q5134	405 011 8401	TR 2SC1740S-Q,VHR-798E,VHR-768IR	D3120	407 012 4406	DIODE 1SS133
OR	405 099 8508	TR 2SC4640S,VHR-798E,VHR-768IR	D3122	407 012 4406	DIODE 1SS133, VHR-798SP,VHR-798E,VHR-798EV
OR	405 011 8500	TR 2SC1740S-R,VHR-798E,VHR-768IR	D3124	407 012 4406	DIODE 1SS133
OR	405 099 8607	TR 2SC4640T,VHR-798E,VHR-768IR		407 012 4406	DIODE 1SS133,VHR-798SP,VHR-798E
OR	405 093 0607	TR KSC2785-Y,VHR-798E,VHR-768IR	D3201	407 012 4406	DIODE 1SS133,VHR-798SP,VHR-798E
Q5134	405 014 4509	TR 2SC2412K-R,EXCEPT VHR-798E,VHR-768IR	D3202	407 012 4406	DIODE 1SS133,VHR-798SP,VHR-798E
OR	405 014 4608	TR 2SC2412K-S,EXCEPT VHR-798E,VHR-768IR	D3401	407 100 0006	ZENER DIODE MTZJ33C,EXCEPT VHR-798E
(INTEGRATED CIRCUITS)			D3502	407 012 4406	DIODE 1SS133
IC101	410 297 2500	IC LA71511DML-MPB	D3505	407 100 6602	DIODE 1SS291
IC102	409 372 4508	IC LC89977M	D3506	407 100 6602	DIODE 1SS291
IC131	409 258 5209	IC BA7630S,VHR-798SP,VHR-798EV	D3554	407 012 4406	DIODE 1SS133
IC132	409 120 3401	IC LA7221,VHR-798E ONLY	D5001	407 197 6509	DIODE DB155G-S
IC141	410 301 7903	IC LC74788JM-9696	OR	407 104 5304	DIODE S1WB(A)60
IC231	409 406 0100	IC BH7801BK	D5002	407 004 9808	DIODE DSK10E,EXCEPT VHR-798E,VHR-768IR
OR	409 392 2201	IC BH7801AK	D5003	407 078 2705	DIODE 1SS244,VHR-798E,VHR-768IR
IC232	409 051 2900	IC TC4053BF,VHR-798SP,VHR-798EV	D5004	407 078 2705	DIODE 1SS244,VHR-798E,VHR-768IR
OR	409 051 2900	IC TC4053BF,VHR-798SP,VHR-798EV	D5006	407 078 2705	DIODE 1SS244,VHR-798E,VHR-768IR
IC233	409 051 2900	IC TC4053BF,VHR-798SP,VHR-798EV	D5010	407 091 6704	DIODE AP01C,VHR-798E,VHR-768IR
OR	409 051 2900	IC TC4053BF,VHR-798SP,VHR-798EV	D5011	407 198 2401	DIODE SFT14,EXCEPT VHR-798E,VHR-768IR
IC301	410 311 3803	IC LC866852A-5G91,VHR-778EX,VHR-798SP	D5012	407 198 2401	DIODE SFT14,EXCEPT VHR-798E,VHR-768IR
IC301	410 312 5004	IC LC866852A-5H00,VHR-778EV,VHR-798EV	D5012	408 038 0908	ZENER DIODE 1.5KE150A,VHR-798E,VHR-768IR
IC301	410 313 9407	IC LC866852A-5H22,VHR-798E,VHR-768IR	D5013	407 169 5608	PHOTO COUPLE PC123U2
IC302	409 314 2005	IC LB1643	D5014	407 078 2705	DIODE 1SS244,EXCEPT VHR-798E,VHR-768IR
IC303	409 415 0009	IC BMR03H-04,EXCEPT VHR-768IR	D5015	407 078 2705	DIODE 1SS244,EXCEPT VHR-798E,VHR-768IR

LOCATION	PARTS NO.	DESCRIPTION	LOCATION	PARTS NO.	DESCRIPTION
D5016	407 125 9008	ZENER DIODE MTZJ2.0A, EXCEPT VHR-798E,VHR-768IR	L2021	645 003 6934	INDUCTOR,100U J
		DIODE 1SS244,EXCEPT VHR-798E,VHR-768IR	OR	645 003 7634	INDUCTOR,100U J
D5019	407 078 2705	DIODE ERC81-004J11,	L2022	645 020 7396	INDUCTOR,180U K, VHR-798SP,VHR-798E,VHR-798EV
D5101	408 038 5309	EXCEPT VHR-798E,VHR-768IR			INDUCTOR,0.75UH
D5101	407 169 5707	DIODE RL2Z-LF-C4,VHR-798E,VHR-768IR	L2371	645 025 0644	INDUCTOR,0.75UH,EXCEPT VHR-768IR
OR	407 198 2609	DIODE SF34,VHR-798E,VHR-768IR	L2372	645 025 0644	INDUCTOR,100U J
OR	407 160 9308	DIODE ERB93-02L3,VHR-798E,VHR-768IR	L2373	645 003 6934	INDUCTOR,100U J
D5102	407 198 2500	DIODE SF24,VHR-798E,VHR-768IR	OR	645 003 7634	INDUCTOR,100U J
D5102	407 205 7009	DIODE D2FS6,EXCEPT VHR-798E,VHR-768IR	L3001	645 025 0644	INDUCTOR,0.75UH
OR	407 205 7009	DIODE D2FS6,EXCEPT VHR-798E,VHR-768IR	L3003	645 025 0644	INDUCTOR,0.75UH
D5103	407 078 2705	DIODE 1SS244	L3301	645 001 4550	INDUCTOR,10U K
D5104	407 078 2705	DIODE 1SS244,VHR-798E,VHR-768IR	OR	645 003 7900	INDUCTOR,10U K
D5104	407 198 2401	DIODE SFT14,EXCEPT VHR-798E,VHR-768IR	L3304	645 006 3886	INDUCTOR,1U K,EXCEPT VHR-798E,VHR-768IR
D5105	407 198 2401	DIODE SFT14,VHR-798E,VHR-768IR	OR	645 005 3856	INDUCTOR,1U M,EXCEPT VHR-798E,VHR-768IR
D5105	407 167 8007	DIODE D1FL20U,EXCEPT VHR-798E,VHR-768IR	L3305	645 001 5441	INDUCTOR,2.2U K,VHR-798E,VHR-768IR
OR	407 167 8007	DIODE D1FL20U,EXCEPT VHR-798E,VHR-768IR	OR	645 005 3887	INDUCTOR,2.2U M,VHR-798E,VHR-768IR
D5106	407 078 2705	DIODE 1SS244,EXCEPT VHR-798E,VHR-768IR	L3305	645 003 7214	INDUCTOR,56U J, VHR-778EV,VHR-798SP,VHR-798EV
D5107	407 063 8903	ZENER DIODE MTZJ5.6C,VHR-798E,VHR-768IR	OR	645 003 7795	INDUCTOR,56U J, VHR-778EV,VHR-798SP,VHR-798EV
D5107	407 099 5303	ZENER DIODE MTZJ5.6B, EXCEPT VHR-798E,VHR-768IR			LINE FILTER
D5108	407 063 8903	ZENER DIODE MTZJ5.6C,VHR-798E,VHR-768IR	L5001	△ 645 013 5620	INDUCTOR,1.1UH,VHR-798E,VHR-768IR
D5108	407 099 5303	ZENER DIODE MTZJ5.6B, EXCEPT VHR-798E,VHR-768IR	L5010	645 006 3602	INDUCTOR,2.0UH,VHR-798E,VHR-768IR
		ZENER DIODE MTZJ5.6C,VHR-798E,VHR-768IR	OR	645 024 3417	CORE,BEAD,VHR-798E,VHR-768IR
D5109	407 063 8903	ZENER DIODE MTZJ5.6C,VHR-798E,VHR-768IR	L5011	645 009 3791	INDUCTOR,10U,EXCEPT VHR-798E,VHR-768IR
D5109	407 099 5303	ZENER DIODE MTZJ5.6B, EXCEPT VHR-798E,VHR-768IR	L5101	645 011 6957	INDUCTOR,1.1UH,VHR-798E,VHR-768IR
		ZENER DIODE MTZJ12A, EXCEPT VHR-798E,VHR-768IR	L5101	645 006 3602	INDUCTOR,2.0UH,VHR-798E,VHR-768IR
D5110	407 099 6508	ZENER DIODE MTZJ12B,VHR-798E,VHR-768IR	OR	645 024 3417	INDUCTOR,1.1UH
		ZENER DIODE MTZJ6.2C,VHR-798E,VHR-768IR	L5102	645 006 3602	INDUCTOR,2.0UH
D5110	407 099 6607	ZENER DIODE MTZJ6.8A, EXCEPT VHR-798E,VHR-768IR	OR	645 024 3417	CORE,BEAD,VHR-798E,VHR-768IR
D5111	407 099 5501	DIODE ERA38-04,EXCEPT VHR-798E,VHR-768IR	L5109	645 009 3791	(TRANSFORMERS)
D5111	407 099 5600	DIODE DSK10C,VHR-798E,VHR-768IR	T2001	645 018 3515	TRANS,OSC,70KHZ
		DIODE ERA15-02,VHR-798E,VHR-768IR	T2351	645 020 8973	TRANS,OSC,70KHZ, VHR-798SP,VHR-798E,VHR-798EV
D5112	407 091 6902	DIODE DSK10C,VHR-798E,VHR-768IR			TRANS,POWER,PULSE,VHR-798E,VHR-768IR
D5112	407 004 9709	DIODE ERA15-02,VHR-798E,VHR-768IR	T5001	△ 645 020 8676	TRANS,POWER,PULSE,
OR	407 005 8701	DIODE DSK10C,VHR-798E,VHR-768IR	T5001	△ 645 027 3599	EXCEPT VHR-798E,VHR-768IR
D5113	407 004 9709	DIODE ERA15-02,VHR-798E,VHR-768IR			(CAPACITORS)
OR	407 005 8701	DIODE 1SS244,EXCEPT VHR-798E,VHR-768IR			ELECT1U M 50V
D5115	407 078 2705	ZENER DIODE RD24MB1, EXCEPT VHR-798E,VHR-768IR	C1001	403 191 8709	ELECT10U M 16V
D5116	407 055 4708	ZENER DIODE RD24MB2, EXCEPT VHR-798E,VHR-768IR	C1002	403 189 2405	ELECT47U M 6.3V
		ZENER DIODE RD24MB3, EXCEPT VHR-798E,VHR-768IR	C1003	403 135 4002	CERAMIC 0.1U Z 25V
D5116	407 055 4807		C1004	403 068 0409	ELECT47U M 6.3V
OR	407 120 7108		C1005	403 163 7907	CERAMIC 0.1U Z 25V
		(CRYSTAL DEVICES)	C1006	403 068 0409	ELECT1U M 50V
X1001	645 000 6012	OSC,CRYSTAL 4.433619MHZ	C1007	403 191 8709	ELECT1U M 50V
OR	645 000 6029	OSC,CRYSTAL 4.433619MHZ	C1009	403 191 8709	CERAMIC 180P J 50V
OR	645 002 4436	OSC,CRYSTAL 4.433619MHZ	C1010	403 014 9302	CERAMIC 330P J 50V
OR	645 014 8378	OSC,CRYSTAL 4.433619MHZ	C1011	403 023 4503	CERAMIC 27P J 50V
X3001	645 008 8360	OSC,CERAMIC 8.500MHZ	C1012	403 020 0508	ELECT22U M 16V
OR	645 007 8460	OSC,CERAMIC 8.500MHZ	C1013	403 150 6500	CERAMIC 0.01U K 50V
X3002	613 109 0972	OSC,CRYSTAL 32KHZ	C1014	403 069 5601	CERAMIC 33P J 50V
OR	645 004 1938	OSC,CRYSTAL 32.768KHZ	C1015	403 022 8304	CERAMIC 0.01U M 16V
X3003	645 006 3435	OSC,CERAMIC 4.000MHZ,VHR-798E ONLY	C1016	403 001 1906	CERAMIC 0.01U M 16V
OR	645 006 1752	OSC,CERAMIC 4.000MHZ,VHR-798E ONLY	C1017	403 001 1906	CERAMIC 0.047U K 50V
		(VARIABLE RESISTORS)	C1018	403 130 3109	ELECT1U M 50V
VR351	645 003 5166	VR,SEMI,220K N	C1019	403 191 8709	CERAMIC 0.047U K 50V
OR	645 006 5538	VR,SEMI,220K N	C1021	403 130 3109	ELECT1U M 50V
OR	645 003 5593	VR,SEMI,220K N	C1022	403 109 6308	CERAMIC 0.047U K 50V
		(INDUCTORS)	C1023	403 130 3109	CERAMIC 0.1U K 25V
L1002	645 001 4611	INDUCTOR,120U J	C1024	403 192 5905	CERAMIC 0.01U K 50V
OR	645 003 7948	INDUCTOR,120U J	C1025	403 069 5601	ELECT1U M 50V
L1003	645 002 1510	INDUCTOR,68U J	C1026	403 191 8709	CERAMIC 0.022U K 50V
OR	645 003 8228	INDUCTOR,68U J	C1027	403 072 1607	ELECT1U M 50V
L1006	645 001 4642	INDUCTOR,22U J	C1028	403 191 8709	ELECT47U M 6.3V
OR	645 003 8013	INDUCTOR,22U J	C1029	403 163 7907	CERAMIC 0.1U Z 25V
L1101	645 025 0644	INDUCTOR,0.75UH	C1030	403 068 0409	CERAMIC 0.01U K 50V
L1102	645 025 0644	INDUCTOR,0.75UH	C1031	403 069 5601	ELECT1U M 50V
L1363	645 006 3817	INDUCTOR,0.22U K, VHR-798SP,VHR-798E,VHR-798EV	C1032	403 191 8709	CERAMIC 18P J 50V
		INDUCTOR,0.75UH,VHR-798E ONLY	C1033	403 014 3409	CERAMIC 1000P J 50V
L1365	645 025 0644	INDUCTOR,33U J	C1038	403 010 1102	ELECT10U M 16V
L1401	645 001 5472	INDUCTOR,33U J	C1040	403 189 2405	CERAMIC 27P J 50V
OR	645 003 8105	INDUCTOR,22U J	C1041	403 020 0409	NP-ELECT 1U M 50V,
L1402	645 001 4642	INDUCTOR,22U J	C1043	403 086 2805	EXCEPT VHR-798SP,VHR-798EV
OR	645 003 8013	INDUCTOR,18U J			CERAMIC 47P J 50V,
L1404	645 002 1442	INDUCTOR,18U J			EXCEPT VHR-798SP,VHR-798EV
OR	645 003 7986	INDUCTOR,18U J			CERAMIC 1200P J 50V
					CERAMIC 47P J 50V

LOCATION	PARTS NO.	DESCRIPTION	LOCATION	PARTS NO.	DESCRIPTION
C1048	403 012 6907	CERAMIC 15P J 50V	C2051	403 018 0602	CERAMIC 22P J 50V
C1050	403 012 6907	CERAMIC 15P J 50V	C2301	403 189 2405	ELECT 10U M 16V
C1051	403 026 2803	CERAMIC 47P J 50V	C2302	403 189 2405	ELECT 10U M 16V
C1052	403 026 2803	CERAMIC 47P J 50V, EXCEPT VHR-798E,VHR-768IR	C2303	403 072 1607	CERAMIC 0.022U K 50V
			C2304	403 072 1607	CERAMIC 0.022U K 50V
C1101	403 191 8709	ELECT 1U M 50V	C2305	403 073 9107	CERAMIC 4700P K 50V
C1102	403 163 7907	ELECT 47U M 6.3V	C2306	403 073 9107	CERAMIC 4700P K 50V
C1103	403 068 0409	CERAMIC 0.1U Z 25V	C2307	403 193 7809	ELECT 100U M 16V
C1104	403 069 5601	CERAMIC 0.01U K 50V	C2308	403 193 7809	ELECT 100U M 16V
C1105	403 069 5601	CERAMIC 0.01U K 50V	C2309	403 070 8806	CERAMIC 1500P K 50V
C1106	403 069 5601	CERAMIC 0.01U K 50V	C2310	403 070 8806	CERAMIC 1500P K 50V
C1107	403 069 5601	CERAMIC 0.01U K 50V	C2311	403 139 1502	ELECT 10U M 16V,VHR-768IR ONLY
C1108	403 192 5905	CERAMIC 0.1U K 25V	C2312	403 139 1502	ELECT 10U M 16V,VHR-768IR ONLY
C1109	403 068 0409	CERAMIC 0.1U Z 25V	C2321	403 167 7002	ELECT 4.7U M 50V
C1301	403 135 4101	ELECT 470U M 6.3V	C2323	403 193 7809	ELECT 100U M 16V
C1302	403 068 0409	CERAMIC 0.1U Z 25V, VHR-798SP,VHR-798EV	C2324	403 163 8409	ELECT 47U M 16V
			C2325	403 072 1607	CERAMIC 0.022U K 50V
C1303	403 068 0409	CERAMIC 0.1U Z 25V	C2326	403 001 1906	CERAMIC 0.01U M 16V
C1341	403 154 2102	NP-ELECT 1U M 50V, VHR-798SP,VHR-798EV	C2327	403 139 1809	ELECT 47U M 16V
			C2332	403 193 7809	ELECT 100U M 16V
C1342	403 010 1102	CERAMIC 1000P J 50V, VHR-798SP,VHR-798EV	C2351	403 134 9602	ELECT 47U M 16V, VHR-798SP,VHR-798E,VHR-798EV
C1343	403 026 2902	CERAMIC 47P J 50V, VHR-798SP,VHR-798E,VHR-798EV	C2352	403 069 5601	CERAMIC 0.01U K 50V, VHR-798SP,VHR-798E,VHR-798EV
C1344	403 154 2102	NP-ELECT 1U M 50V, VHR-798SP,VHR-798EV	C2353	403 069 5601	CERAMIC 0.01U K 50V, VHR-798SP,VHR-798E,VHR-798EV
C1346	403 107 9905	ELECT 10U M 16V, VHR-798SP,VHR-798E,VHR-798EV	C2354	403 081 7409	POLYPRO 0.033U J 100V, VHR-798SP,VHR-798E,VHR-798EV
C1347	403 107 9905	ELECT 10U M 16V,VHR-798E ONLY	C2361	403 069 0309	CERAMIC 1000P J 50V, EXCEPT VHR-768IR
C1348	403 028 4102	CERAMIC 56P J 50V,VHR-798E ONLY			
C1350	403 068 5107	CERAMIC 0.047U Z 25V,VHR-798E ONLY	C2362	403 069 0309	CERAMIC 1000P J 50V, EXCEPT VHR-768IR
C1351	403 107 9905	ELECT 10U M 16V,VHR-798SP,VHR-798EV			
C1352	403 086 2805	NP-ELECT 1U M 50V, VHR-798SP,VHR-798EV	C2363	403 069 1702	CERAMIC 1000P K 50V
			C2364	403 069 1702	CERAMIC 1000P K 50V
C1352	403 191 8709	ELECT 1U M 50V, EXCEPT VHR-798SP,VHR-798EV	C2365	403 018 7502	CERAMIC 220P J 50V
			C2366	403 018 7502	CERAMIC 220P J 50V
C1353	403 109 6308	ELECT 1U M 50V,EXCEPT VHR-768IR	C2367	403 069 1702	CERAMIC 1000P K 50V, VHR-798SP,VHR-798EV
C1354	403 028 4102	CERAMIC 56P J 50V,VHR-798E ONLY			
C1401	403 022 8205	CERAMIC 33P J 50V	C2368	403 069 1702	CERAMIC 1000P K 50V, VHR-798SP,VHR-798EV
C1403	403 109 6308	ELECT 1U M 50V			
C1404	403 069 9500	CERAMIC 0.01U Z 50V	C2369	403 018 7502	CERAMIC 220P J 50V,EXCEPT VHR-768IR
C1405	403 135 4002	ELECT 47U M 6.3V	C2370	403 018 7502	CERAMIC 220P J 50V,EXCEPT VHR-768IR
C1406	403 018 0503	CERAMIC 22P J 50V	C2371	403 134 9602	ELECT 47U M 16V,VHR-798SP,VHR-798EV
C1407	403 018 0503	CERAMIC 22P J 50V	C2372	403 071 8102	CERAMIC 2200P K 50V
C1410	403 009 5807	CERAMIC 100P J 50V	C3001	403 018 0503	CERAMIC 22P J 50V
C1411	403 070 5508	CERAMIC 1200P K 50V	C3002	403 012 5900	CERAMIC 15P J 50V
C1412	403 109 6308	ELECT 1U M 50V	C3004	403 069 5601	CERAMIC 0.01U K 50V
C1414	403 014 3508	CERAMIC 18P J 50V	C3005	403 069 5601	CERAMIC 0.01U K 50V
C1419	403 069 9500	CERAMIC 0.01U Z 50V	C3008	403 163 7907	ELECT 47U M 6.3V,VHR-768IR ONLY
C2001	403 191 8709	ELECT 1U M 50V	C3008	403 150 6500	ELECT 22U M 16V,EXCEPT VHR-768IR
C2002	403 069 1702	CERAMIC 1000P K 50V, EXCEPT VHR-798SP,VHR-798EV	C3009	403 069 5601	CERAMIC 0.01U K 50V
			C3011	403 068 0409	CERAMIC 0.1U Z 25V
C2002	403 070 6703	CERAMIC 0.012U K 50V, VHR-798SP,VHR-798EV	C3012	403 069 5601	CERAMIC 0.01U K 50V
			C3014	403 135 4101	ELECT 470U M 6.3V
C2003	403 069 5601	CERAMIC 0.01U K 50V	C3016	403 069 5601	CERAMIC 0.01U K 50V
C2004	403 189 2405	ELECT 10U M 16V	C3017	403 069 1702	CERAMIC 1000P K 50V,VHR-798E ONLY
C2005	403 167 7002	ELECT 4.7U M 50V	C3019	403 068 0409	CERAMIC 0.1U Z 25V
C2006	403 068 0409	CERAMIC 0.1U Z 25V	C3022	403 281 6202	DL-ELECT 1F Z 5.5V,VHR-768IR ONLY
C2007	403 167 7002	ELECT 4.7U M 50V	C3022	403 333 1001	DL-ELECT 0.1F Z 5.5V,EXCEPT VHR-768IR
C2008	403 068 0409	CERAMIC 0.1U Z 25V	C3034	403 069 5601	CERAMIC 0.01U K 50V
C2009	403 159 8109	ELECT 100U M 6.3V	C3037	403 028 3402	CERAMIC 56P J 50V,EXCEPT VHR-798E
C2010	403 167 6500	ELECT 33U M 6.3V	C3037	403 075 3103	CERAMIC 82P J 50V,VHR-798E ONLY
C2011	403 167 6500	ELECT 33U M 6.3V	C3040	403 009 5807	CERAMIC 100P J 50V,EXCEPT VHR-798E
C2012	403 068 0409	CERAMIC 0.1U Z 25V	C3041	403 009 5807	CERAMIC 100P J 50V,EXCEPT VHR-798E
C2013	403 189 2405	ELECT 10U M 16V	C3042	403 009 5807	CERAMIC 100P J 50V,EXCEPT VHR-798E
C2016	403 163 8409	ELECT 47U M 16V	C3043	403 009 5807	CERAMIC 100P J 50V,EXCEPT VHR-798E
C2017	403 074 7607	CERAMIC 5600P K 50V	C3050	403 069 5601	CERAMIC 0.01U K 50V,VHR-798E ONLY
C2018	403 069 5601	CERAMIC 0.01U K 50V	C3201	403 189 2405	ELECT 10U M 16V,VHR-798SP,VHR-798E
C2019	403 068 0409	CERAMIC 0.1U Z 25V, VHR-798SP,VHR-798EV	C3202	403 069 1702	CERAMIC 1000P K 50V, VHR-798SP,VHR-798E
C2021	403 069 1702	CERAMIC 1000P K 50V	C3203	403 189 2405	ELECT 10U M 16V,VHR-798SP,VHR-798E
C2022	403 069 1702	CERAMIC 1000P K 50V	C3204	403 069 1702	CERAMIC 1000P K 50V, VHR-798SP,VHR-798E
C2023	403 075 0706	CERAMIC 6800P K 50V			
C2024	403 075 0706	CERAMIC 6800P K 50V	C3301	403 107 9905	ELECT 10U M 16V
C2025	403 193 7809	ELECT 100U M 16V	C3302	403 107 9905	ELECT 10U M 16V, EXCEPT VHR-798E,VHR-768IR
C2026	403 081 3302	POLYPRO 0.022U J 100V			
C2027	403 068 0409	CERAMIC 0.1U Z 25V	C3302	403 134 8100	ELECT 100U M 6.3V,VHR-798E,VHR-768IR
C2028	403 189 2405	ELECT 10U M 16V, VHR-798SP,VHR-798EV	C3303	403 024 7206	CERAMIC 390P J 50V,EXCEPT VHR-798E
			C3307	403 068 0409	CERAMIC 0.1U Z 25V

LOCATION	PARTS NO.	DESCRIPTION	LOCATION	PARTS NO.	DESCRIPTION
R1309	401 022 1806	CARBON 680 JA 1/4W, VHR-798SP,VHR-798EV	R2301	401 020 1907	CARBON 4.7K JA 1/4W
R1310	401 022 1806	CARBON 680 JA 1/4W, VHR-798SP,VHR-798EV	R2302	401 020 1907	CARBON 4.7K JA 1/4W
R1311	401 038 4907	MT-GLAZE 39 JA 1/10W, VHR-798SP,VHR-798EV	R2303	401 038 2101	MT-GLAZE 2.7K JA 1/10W, VHR-798E,VHR-768IR
R1312	401 038 0602	MT-GLAZE 220 JA 1/10W	R2303	401 038 2200	MT-GLAZE 27K JA 1/10W, EXCEPT VHR-798E,VHR-768IR
R1313	401 038 2002	MT-GLAZE 270 JA 1/10W, EXCEPT VHR-798SP,VHR-798EV	R2304	401 038 2101	MT-GLAZE 2.7K JA 1/10W, VHR-798E,VHR-768IR
R1314	401 038 3405	MT-GLAZE 33 JA 1/10W, VHR-798SP,VHR-798EV	R2304	401 038 2200	MT-GLAZE 27K JA 1/10W, EXCEPT VHR-798E,VHR-768IR
R1341	401 037 5400	MT-GLAZE 1K JA 1/10W, VHR-798SP,VHR-798EV	R2305	401 038 3702	MT-GLAZE 33K JA 1/10W,VHR-778EX ONLY
R1342	401 012 5609	CARBON 1K JA 1/4W, VHR-798SP,VHR-798EV	R2305	401 038 2200	MT-GLAZE 27K JA 1/10W, VHR-778EV,VHR-798SP,VHR-798EV
R1343	401 037 5202	MT-GLAZE 100 JA 1/10W, VHR-798SP,VHR-798EV	R2305	401 039 0403	MT-GLAZE 8.2K JA 1/10W, VHR-798E,VHR-768IR
R1344	401 037 5202	MT-GLAZE 100 JA 1/10W, VHR-798SP,VHR-798EV	R2306	401 038 2200	MT-GLAZE 27K JA 1/10W, VHR-778EV,VHR-798SP,VHR-798EV
R1345	401 038 6406	MT-GLAZE 4.7K JA 1/10W, VHR-798SP,VHR-798EV	R2306	401 039 0403	MT-GLAZE 8.2K JA 1/10W, VHR-798E,VHR-768IR
R1346	401 038 6406	MT-GLAZE 4.7K JA 1/10W, VHR-798SP,VHR-798EV	R2306	401 038 3702	MT-GLAZE 33K JA 1/10W,VHR-778EX ONLY
R1347	401 038 6406	MT-GLAZE 4.7K JA 1/10W, VHR-798SP,VHR-798EV	R2309	401 038 6406	MT-GLAZE 4.7K JA 1/10W, VHR-798SP,VHR-798E,VHR-798EV
R1348	401 038 6406	MT-GLAZE 4.7K JA 1/10W, VHR-798SP,VHR-798EV	R2310	401 038 6406	MT-GLAZE 4.7K JA 1/10W, VHR-798SP,VHR-798E,VHR-798EV
R1349	401 038 3504	MT-GLAZE 330 JA 1/10W, VHR-798SP,VHR-798EV	R2313	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R1350	401 038 5003	MT-GLAZE 390 JA 1/10W, VHR-798SP,VHR-798EV	R2314	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R1351	401 037 5004	MT-GLAZE 0.000 ZA 1/10W, VHR-798SP,VHR-798EV	R2315	401 020 1907	CARBON 4.7K JA 1/4W, EXCEPT VHR-768IR
R1352	401 037 5004	MT-GLAZE 0.000 ZA 1/10W	R2316	401 020 1907	CARBON 4.7K JA 1/4W, EXCEPT VHR-768IR
R1404	401 038 3603	MT-GLAZE 3.3K JA 1/10W	R2317	401 038 0909	MT-GLAZE 220K JA 1/10W
R1405	401 038 0602	MT-GLAZE 220 JA 1/10W	R2318	401 038 0909	MT-GLAZE 220K JA 1/10W
R1408	401 038 2002	MT-GLAZE 270 JA 1/10W, VHR-798SP,VHR-798EV	R2322	401 023 2703	CARBON 8.2K JA 1/4W
R1410	401 037 5004	MT-GLAZE 0.000 ZA 1/10W	R2323	401 038 2200	MT-GLAZE 27K JA 1/10W
R1417	401 039 0403	MT-GLAZE 8.2K JA 1/10W	R2324	401 038 2200	MT-GLAZE 27K JA 1/10W
R1419	401 037 5806	MT-GLAZE 1M JA 1/10W	R2325	401 014 4006	CARBON 1.5K JA 1/4W
R2001	401 038 6406	MT-GLAZE 4.7K JA 1/10W	R2327	401 016 3700	CARBON 2.2K JA 1/4W
R2002	401 037 6803	MT-GLAZE 12K JA 1/10W	R2329	401 038 1005	MT-GLAZE 2.2M JA 1/10W
R2003	401 037 5400	MT-GLAZE 1K JA 1/10W, VHR-798SP,VHR-798EV	R2331	401 037 6704	MT-GLAZE 1.2K JA 1/10W
R2003	401 037 6803	MT-GLAZE 12K JA 1/10W, EXCEPT VHR-798SP,VHR-798EV	R2332	401 038 5102	MT-GLAZE 3.9K JA 1/10W
R2004	401 038 3801	MT-GLAZE 330K JA 1/10W	R2333	401 038 2200	MT-GLAZE 27K JA 1/10W, EXCEPT VHR-778EX
R2005	401 037 8500	MT-GLAZE 160 JA 1/10W	R2334	401 038 3702	MT-GLAZE 33K JA 1/10W, EXCEPT VHR-778EX
R2006	401 038 5102	MT-GLAZE 3.9K JA 1/10W	R2335	401 037 5400	MT-GLAZE 1K JA 1/10W
R2007	401 038 5102	MT-GLAZE 3.9K JA 1/10W	R2336	401 014 4006	CARBON 1.5K JA 1/4W
R2008	401 038 6406	MT-GLAZE 4.7K JA 1/10W	R2337	401 014 4006	CARBON 1.5K JA 1/4W
R2009	401 038 3900	MT-GLAZE 3.3M JA 1/10W	R2340	401 018 2701	CARBON 330 JA 1/4W
R2010	401 038 3702	MT-GLAZE 33K JA 1/10W	R2341	401 021 2903	CARBON 5.6K JA 1/4W
R2011	401 037 5608	MT-GLAZE 10K JA 1/10W	R2342	401 021 2903	CARBON 5.6K JA 1/4W
R2016	401 037 5004	MT-GLAZE 0.000 ZA 1/10W, VHR-798SP,VHR-798EV	R2343	401 012 4404	CARBON 100 JA 1/4W
R2017	401 039 0403	MT-GLAZE 8.2K JA 1/10W	R2344	401 012 6903	CARBON 10K JA 1/4W
R2018	401 038 7700	MT-GLAZE 5.6K JA 1/10W, VHR-798SP,VHR-798EV	R2345	401 012 6903	CARBON 10K JA 1/4W
R2021	401 038 2200	MT-GLAZE 27K JA 1/10W	R2347	401 020 1907	CARBON 4.7K JA 1/4W
R2022	401 037 9200	MT-GLAZE 1.8K JA 1/10W	R2351	401 018 1506	CARBON 33 JA 1/4W, VHR-798SP,VHR-798E,VHR-798EV
R2023	401 037 5400	MT-GLAZE 1K JA 1/10W	R2352	401 038 6208	MT-GLAZE 47 JA 1/10W, VHR-798SP,VHR-798E,VHR-798EV
R2024	401 038 6208	MT-GLAZE 47 JA 1/10W	R2353	401 037 8005	MT-GLAZE 15K JA 1/10W, VHR-798SP,VHR-798E,VHR-798EV
R2025	401 011 8809	CARBON 1 JA 1/4W	R2354	401 037 5103	MT-GLAZE 10 JA 1/10W, VHR-798SP,VHR-798E,VHR-798EV
R2026	401 038 0701	MT-GLAZE 2.2K JA 1/10W	R2355	401 038 0800	MT-GLAZE 22K JA 1/10W, VHR-798SP,VHR-798E,VHR-798EV
R2027	401 038 0701	MT-GLAZE 2.2K JA 1/10W	R2356	401 038 3702	MT-GLAZE 33K JA 1/10W, VHR-798SP,VHR-798E,VHR-798EV
R2028	401 037 9101	MT-GLAZE 180 JA 1/10W	R2361	401 012 5609	CARBON 1K JA 1/4W,EXCEPT VHR-768IR
R2029	401 037 5608	MT-GLAZE 10K JA 1/10W	R2362	401 012 5609	CARBON 1K JA 1/4W,EXCEPT VHR-768IR
R2030	401 038 0800	MT-GLAZE 22K JA 1/10W	R2363	401 038 9001	MT-GLAZE 680 JA 1/10W
R2031	401 089 8602	MT-GLAZE 4.7M JA 1/10W, VHR-798SP,VHR-798EV	R2364	401 038 9001	MT-GLAZE 680 JA 1/10W
R2031	401 037 5004	MT-GLAZE 0.000 ZA 1/10W, EXCEPT VHR-798SP,VHR-798EV	R2365	401 037 5400	MT-GLAZE 1K JA 1/10W
R2033	401 037 5608	MT-GLAZE 10K JA 1/10W, VHR-798SP,VHR-798EV	R2366	401 037 5400	MT-GLAZE 1K JA 1/10W
R2034	401 037 5004	MT-GLAZE 0.000 ZA 1/10W, VHR-798SP,VHR-798EV	R2367	401 038 9001	MT-GLAZE 680 JA 1/10W, VHR-798SP,VHR-798EV
			R2368	401 038 9001	MT-GLAZE 680 JA 1/10W, VHR-798SP,VHR-798EV
			R2369	401 037 5400	MT-GLAZE 1K JA 1/10W, EXCEPT VHR-768IR

LOCATION	PARTS NO.	DESCRIPTION	LOCATION	PARTS NO.	DESCRIPTION
R2370	401 037 5400	MT-GLAZE 1K JA 1/10W, EXCEPT VHR-768IR	R3204	401 038 0800	MT-GLAZE 22K JA 1/10W, VHR-798SP,VHR-798E
R2371	401 013 6308	CARBON 12K JA 1/4W, VHR-798SP,VHR-798EV	R3205	401 038 6505	MT-GLAZE 47K JA 1/10W, VHR-798SP,VHR-798E
R2372	401 023 2703	CARBON 8.2K JA 1/4W, VHR-798SP,VHR-798EV	R3206	401 038 3702	MT-GLAZE 33K JA 1/10W, VHR-798SP,VHR-798E
R2376	401 037 5400	MT-GLAZE 1K JA 1/10W, VHR-798SP,VHR-798EV	R3207	401 037 8203	MT-GLAZE 1.5M JA 1/10W, VHR-798SP,VHR-798E
R2377	401 037 5400	MT-GLAZE 1K JA 1/10W, VHR-798SP,VHR-798EV	R3301	401 038 5003	MT-GLAZE 390 JA 1/10W
R2378	401 037 5400	MT-GLAZE 1K JA 1/10W, VHR-798SP,VHR-798EV	R3302	401 037 7909	MT-GLAZE 1.5K JA 1/10W
R2379	401 038 5102	MT-GLAZE 3.9K JA 1/10W	R3305	401 038 3603	MT-GLAZE 3.3K JA 1/10W,EXCEPT VHR-778EX
R2380	401 038 9209	MT-GLAZE 6.8K JA 1/10W	R3306	401 038 6406	MT-GLAZE 4.7K JA 1/10W, VHR-778EV,VHR-798SP,VHR-798EV
R2381	401 037 5400	MT-GLAZE 1K JA 1/10W	R3306	401 039 0403	MT-GLAZE 8.2K JA 1/10W, VHR-798E,VHR-768IR
R2391	401 038 9506	MT-GLAZE 75 JA 1/10W, VHR-798SP,VHR-798EV	R3309	△ 402 078 2908	FUSIBLE RES 680 GA 1/4W
R2392	401 038 9506	MT-GLAZE 75 JA 1/10W, EXCEPT VHR-768IR	R3401	401 038 3702	MT-GLAZE 33K JA 1/10W,VHR-798E ONLY
R2393	401 038 6406	MT-GLAZE 4.7K JA 1/10W, VHR-798SP,VHR-798EV	R3402	401 037 5608	MT-GLAZE 10K JA 1/10W,VHR-798E ONLY
R2394	401 038 0701	MT-GLAZE 2.2K JA 1/10W, VHR-798SP,VHR-798EV	R3403	401 037 6605	MT-GLAZE 120 JA 1/10W,VHR-798E ONLY
R2396	401 038 9506	MT-GLAZE 75 JA 1/10W, EXCEPT VHR-798SP,VHR-798EV	R3404	401 012 6903	CARBON 10K JA 1/4W,VHR-798E ONLY
R2399	401 038 0701	MT-GLAZE 2.2K JA 1/10W,EXCEPT VHR-768IR	R3405	401 037 9309	MT-GLAZE 18K JA 1/10W,VHR-798E ONLY
R3001	△ 402 067 7402	FUSIBLE RES 3.3 JA 1/2W	R3406	401 037 8005	MT-GLAZE 15K JA 1/10W,VHR-798E ONLY
R3004	401 037 7909	MT-GLAZE 1.5K JA 1/10W	R3407	401 037 6803	MT-GLAZE 12K JA 1/10W,VHR-798E ONLY
R3007	401 038 6406	MT-GLAZE 4.7K JA 1/10W	R3501	401 012 8006	CARBON 100K JA 1/4W
R3008	401 038 6406	MT-GLAZE 4.7K JA 1/10W	R3502	401 037 5707	MT-GLAZE 100K JA 1/10W
R3009	401 023 1607	CARBON 820 JA 1/4W	R3503	401 038 3801	MT-GLAZE 330K JA 1/10W
R3011	401 020 2805	CARBON 47K JA 1/4W, EXCEPT VHR-798SP,VHR-798E	R3504	401 014 6000	CARBON 150K JA 1/4W
R3011	401 016 4707	CARBON 22K JA 1/4W,V HR-798SP,VHR-798E	R3505	401 014 5102	CARBON 15K JA 1/4W
R3013	401 038 6406	MT-GLAZE 4.7K JA 1/10W	R3506	401 038 0909	MT-GLAZE 220K JA 1/10W
R3014	401 014 9001	CARBON 16K JA 1/4W	R3507	401 014 6000	CARBON 150K JA 1/4W
R3015	401 014 9001	CARBON 16K JA 1/4W	R3508	401 017 2702	CARBON 27K JA 1/4W
R3017	401 038 9209	MT-GLAZE 6.8K JA 1/10W, EXCEPT VHR-798E,VHR-768IR	R3516	401 039 0403	MT-GLAZE 8.2K JA 1/10W
R3018	401 038 9209	MT-GLAZE 6.8K JA 1/10W, VHR-798E,VHR-768IR	R3517	401 038 6505	MT-GLAZE 47K JA 1/10W
R3019	401 037 9309	MT-GLAZE 18K JA 1/10W, VHR-798E,VHR-768IR	R3518	401 020 2805	CARBON 47K JA 1/4W
R3019	401 038 2200	MT-GLAZE 27K JA 1/10W, EXCEPT VHR-798E,VHR-768IR	R3519	401 038 3801	MT-GLAZE 330K JA 1/10W
R3023	401 037 5400	MT-GLAZE 1K JA 1/10W	R3520	401 038 5409	MT-GLAZE 390K JA 1/10W
R3024	401 037 5400	MT-GLAZE 1K JA 1/10W	R3521	401 037 5608	MT-GLAZE 10K JA 1/10W
R3025	401 037 5400	MT-GLAZE 1K JA 1/10W	R3525	401 012 5609	CARBON 1K JA 1/4W
R3026	401 037 5400	MT-GLAZE 1K JA 1/10W	R3526	401 038 0701	MT-GLAZE 2.2K JA 1/10W
R3032	401 018 4804	CARBON 33K JA 1/4W	R3527	401 037 5400	MT-GLAZE 1K JA 1/10W
R3036	401 016 3700	CARBON 2.2K JA 1/4W	R3528	401 020 7800	CARBON 510 JA 1/4W
R3037	401 038 2200	MT-GLAZE 27K JA 1/10W,VHR-798E ONLY	R3529	401 020 7800	CARBON 510 JA 1/4W
R3037	401 038 5300	MT-GLAZE 39K JA 1/10W, EXCEPT VHR-798E	R3537	401 039 0403	MT-GLAZE 8.2K JA 1/10W
R3047	401 037 9200	MT-GLAZE 1.8K JA 1/10W	R3546	401 020 1907	CARBON 4.7K JA 1/4W
R3048	401 037 6704	MT-GLAZE 1.2K JA 1/10W	R3547	401 037 8005	MT-GLAZE 15K JA 1/10W
R3049	401 038 2101	MT-GLAZE 2.7K JA 1/10W	R3549	401 037 5608	MT-GLAZE 10K JA 1/10W
R3050	401 016 4707	CARBON 22K JA 1/4W	R3550	401 039 0403	MT-GLAZE 8.2K JA 1/10W
R3051	401 016 4707	CARBON 22K JA 1/4W	R3551	401 037 5608	MT-GLAZE 10K JA 1/10W
R3052	401 037 5400	MT-GLAZE 1K JA 1/10W,VHR-798E ONLY	R3552	401 037 5707	MT-GLAZE 100K JA 1/10W
R3054	401 037 5608	MT-GLAZE 10K JA 1/10W,VHR-798E ONLY	R3553	401 016 5704	CARBON 220K JA 1/4W
R3055	401 037 5608	MT-GLAZE 10K JA 1/10W,VHR-798E ONLY	R3555	401 037 5707	MT-GLAZE 100K JA 1/10W
R3056	401 038 6505	MT-GLAZE 47K JA 1/10W,VHR-768IR ONLY	R3556	401 037 5608	MT-GLAZE 10K JA 1/10W
R3057	401 016 3700	CARBON 2.2K JA 1/4W, VHR-778EX,VHR-798E,VHR-768IR	R3557	401 037 9408	MT-GLAZE 180K JA 1/10W
R3058	401 016 3700	CARBON 2.2K JA 1/4W, VHR-778EX,VHR-798E,VHR-768IR	R3558	401 038 6307	MT-GLAZE 470 JA 1/10W
R3101	401 012 6903	CARBON 10K JA 1/4W	R3560	401 037 5400	MT-GLAZE 1K JA 1/10W
R3102	401 012 6903	CARBON 10K JA 1/4W	R3581	401 021 4006	CARBON 56K JA 1/4W,EXCEPT VHR-798E
R3103	401 012 6903	CARBON 10K JA 1/4W	R5001	402 013 9108	SOLID 2.7M KB 1/2W
R3104	401 012 6903	CARBON 10K JA 1/4W	R5002	401 021 4907	CARBON 560K JA 1/4W, EXCEPT VHR-798E,VHR-768IR
R3201	401 020 2805	CARBON 47K JA 1/4W, VHR-798SP,VHR-798E	R5002	401 037 9101	MT-GLAZE 180 JA 1/10W, VHR-798E,VHR-768IR
R3202	401 038 3702	MT-GLAZE 33K JA 1/10W, VHR-798SP,VHR-798E	R5003	401 037 9200	MT-GLAZE 1.8K JA 1/10W, VHR-798E,VHR-768IR
R3203	401 037 8203	MT-GLAZE 1.5M JA 1/10W, VHR-798SP,VHR-798E	R5003	401 021 4907	CARBON 560K JA 1/4W, EXCEPT VHR-798E,VHR-768IR
			R5004	401 038 3801	MT-GLAZE 330K JA 1/10W, VHR-798E,VHR-768IR
			R5005	401 037 5004	MT-GLAZE 0.000 ZA 1/10W, VHR-798E,VHR-768IR
			R5006	401 037 5608	MT-GLAZE 10K JA 1/10W, VHR-798E,VHR-768IR
			R5007	401 038 0800	MT-GLAZE 22K JA 1/10W, VHR-798E,VHR-768IR
			R5009	401 038 9308	MT-GLAZE 68K JA 1/10W, VHR-798E,VHR-768IR
			R5010	401 019 3905	CARBON 390K JA 1/4W, VHR-798E,VHR-768IR
			R5011	401 015 0403	CARBON 18 JA 1/4W, EXCEPT VHR-798E,VHR-768IR

LOCATION	PARTS NO.	DESCRIPTION	LOCATION	PARTS NO.	DESCRIPTION
R5011	401 019 3905	CARBON 390K JA 1/4W, VHR-798E,VHR-768IR	R5132	401 038 4105	MT-GLAZE 3.6K JA 1/10W, EXCEPT VHR-798E,VHR-768IR
R5012	401 064 7309	OXIDE-MT 100 JA 2W, EXCEPT VHR-798E,VHR-768IR	R5132	401 018 3708	CARBON 3.3K JA 1/4W, VHR-798E,VHR-768IR
R5013	401 037 5400	MT-GLAZE 1K JA 1/10W, EXCEPT VHR-798E,VHR-768IR	R5133	401 023 2703	CARBON 8.2K JA 1/4W, VHR-798E,VHR-768IR
R5014	401 037 5400	MT-GLAZE 1K JA 1/10W, EXCEPT VHR-798E,VHR-768IR	R5133	401 039 0403	MT-GLAZE 8.2K JA 1/10W, EXCEPT VHR-798E,VHR-768IR
R5015	401 037 6704	MT-GLAZE 1.2K JA 1/10W, EXCEPT VHR-798E,VHR-768IR	R5134	401 018 3708	CARBON 3.3K JA 1/4W, VHR-798E,VHR-768IR
R5016	401 038 9001	MT-GLAZE 680 JA 1/10W, EXCEPT VHR-798E,VHR-768IR	R5134	401 014 4006	CARBON 1.5K JA 1/4W, EXCEPT VHR-798E,VHR-768IR
R5017	401 038 2101	MT-GLAZE 2.7K JA 1/10W, EXCEPT VHR-798E,VHR-768IR	R5135	401 037 6605 (JUMPERS) 401 037 5004 (FUSES)	MT-GLAZE 120 JA 1/10W
R5101	401 018 2701	CARBON 330 JA 1/4W, VHR-798E,VHR-768IR	F5001	△ 423 025 9900	FUSE 250V 2.5A
R5101	401 038 5003	MT-GLAZE 390 JA 1/10W, EXCEPT VHR-798E,VHR-768IR	OR	△ 423 021 8402	FUSE 250V 2.5A
R5102	401 037 7800	MT-GLAZE 150 JA 1/10W, EXCEPT VHR-798E,VHR-768IR	OR	△ 423 022 6506 (PROTECTORS)	FUSE 250V 2.5A
R5102	401 038 5003	MT-GLAZE 390 JA 1/10W, VHR-798E,VHR-768IR	PR510	△ 645 005 9834	PROTECTOR,IC 1.0A 50V, EXCEPT VHR-798E,VHR-768IR
R5103	401 021 1807	CARBON 560 JA 1/4W, VHR-798E,VHR-768IR	PR511	△ 645 005 9834	PROTECTOR,IC 1.0A 50V, EXCEPT VHR-798E,VHR-768IR
R5103	401 038 7601	MT-GLAZE 560 JA 1/10W, EXCEPT VHR-798E,VHR-768IR	PR511	△ 645 005 9858	PROTECTOR,IC 0.8A 50V,VHR-798E,VHR-768IR
R5104	401 018 3708	CARBON 3.3K JA 1/4W, VHR-798E,VHR-768IR	PR512	△ 645 014 2536 (JACKS)	PROTECTOR,1.5A 125V
R5104	401 012 6903	CARBON 10K JA 1/4W, EXCEPT VHR-798E,VHR-768IR	JK231	645 012 4068	JACK,RCA,EXCEPT VHR-768IR
R5105	401 016 2505	CARBON 220 JA 1/4W	OR	645 012 4051 (MISCELLANIES)	JACK,RCA,EXCEPT VHR-768IR
R5106	401 020 0702	CARBON 470 JA 1/4W		645 008 8070	FIXER,EXCEPT VHR-768IR
R5108	401 037 9200	MT-GLAZE 1.8K JA 1/10W		613 053 8048	FIXER
R5109	401 018 3708	CARBON 3.3K JA 1/4W, VHR-798E,VHR-768IR		645 008 7677	HOLDER,FUSE,F5001
R5109	401 038 3603	MT-GLAZE 3.3K JA 1/10W, EXCEPT VHR-798E,VHR-768IR	OR	645 008 7660	HOLDER,FUSE,F5001
R5110	△ 402 071 3100	FUSIBLE RES 27 JA 1/4W, EXCEPT VHR-798E,VHR-768IR	OR	645 016 0479	HOLDER,FUSE,F5001
R5110	△ 402 071 3100	FUSIBLE RES 27 JA 1/4W,VHR-798E,VHR-768IR			
R5111	401 038 7601	MT-GLAZE 560 JA 1/10W, EXCEPT VHR-798E,VHR-768IR			
R5111	401 020 7800	CARBON 510 JA 1/4W, VHR-798E,VHR-768IR			
R5112	401 038 5102	MT-GLAZE 3.9K JA 1/10W, VHR-798E,VHR-768IR			
R5114	401 038 6208	MT-GLAZE 47 JA 1/10W, VHR-798E,VHR-768IR			
R5115	401 038 2101	MT-GLAZE 2.7K JA 1/10W, EXCEPT VHR-798E,VHR-768IR			
R5116	401 038 2101	MT-GLAZE 2.7K JA 1/10W, EXCEPT VHR-798E,VHR-768IR			
R5117	401 037 6605	MT-GLAZE 120 JA 1/10W, EXCEPT VHR-798E,VHR-768IR			
R5118	401 037 6605	MT-GLAZE 120 JA 1/10W, EXCEPT VHR-798E,VHR-768IR			
R5119	401 038 6505	MT-GLAZE 47K JA 1/10W, EXCEPT VHR-798E,VHR-768IR			
R5120	△ 402 004 2705	FUSIBLE RES 8.2 JA 1/4W, VHR-798E,VHR-768IR			
R5120	△ 402 004 0107	FUSIBLE RES 10 JA 1/4W, EXCEPT VHR-798E,VHR-768IR			
R5121	401 017 7509	CARBON 3.9 JA 1/4W, EXCEPT VHR-798E,VHR-768IR			
R5121	401 015 7709	CARBON 2.7 JA 1/4W, VHR-798E,VHR-768IR			
R5122	401 037 5004	MT-GLAZE 0.000 ZA 1/10W, EXCEPT VHR-798E,VHR-768IR			
R5123	401 015 2605	CARBON 1.8K JA 1/4W, VHR-798E,VHR-768IR			
R5123	401 039 0304	MT-GLAZE 820 JA 1/10W, EXCEPT VHR-798E,VHR-768IR			
R5124	401 037 5004	MT-GLAZE 0.000 ZA 1/10W, EXCEPT VHR-798E,VHR-768IR			
R5125	401 037 5004	MT-GLAZE 0.000 ZA 1/10W, EXCEPT VHR-798E,VHR-768IR			
R5131	401 014 4006	CARBON 1.5K JA 1/4W, EXCEPT VHR-798E,VHR-768IR			

COMPL PWB,VP-1

	613 178 7841	VHR-798E,VHR-768IR
	613 179 0124	EXCEPT VHR-798E,VHR-768IR
		(CONNECTORS)
CN182	645 009 4163	SOCKET,FFC 12P (N.S.P)
OR	645 012 5096	SOCKET,FPC 12P (N.S.P)
OR	645 005 4204	SOCKET,12P (N.S.P)
		(INTEGRATED CIRCUITS)
IC181	409 391 5302	IC LA70011L
IC291	409 326 0808	IC LA7256
		(INDUCTORS)
L2901	645 003 6910	INDUCTOR,10U J
OR	645 003 7627	INDUCTOR,10U J
		(CAPACITORS)
C1802	403 073 9107	CERAMIC 4700P K 50V
C1805	403 068 0409	CERAMIC 0.1U Z 25V
C1806	403 069 5601	CERAMIC 0.01U K 50V
C1807	403 163 7907	ELECT 47U M 6.3V
C1808	403 068 0409	CERAMIC 0.1U Z 25V
C1809	403 191 8709	ELECT 1U M 50V
C1810	403 069 5601	CERAMIC 0.01U K 50V
C1811	403 069 5601	CERAMIC 0.01U K 50V
C1835	403 069 5601	CERAMIC 0.01U K 50V
C1836	403 072 1607	CERAMIC 0.022U K 50V
C2901	403 193 7601	ELECT 220U M 6.3V
C2902	403 068 0409	CERAMIC 0.1U Z 25V
C2903	403 068 0409	CERAMIC 0.1U Z 25V
C2904	403 068 0409	CERAMIC 0.1U Z 25V
C2905	403 068 0409	CERAMIC 0.1U Z 25V
C2906	403 068 0409	CERAMIC 0.1U Z 25V
C2907	403 068 0409	CERAMIC 0.1U Z 25V
C2908	403 068 0409	CERAMIC 0.1U Z 25V
C2910	403 068 0409	CERAMIC 0.1U Z 25V
C2911	403 068 0409	CERAMIC 0.1U Z 25V
		(RESISTORS)
R1801	401 038 0800	MT-GLAZE 22K JA 1/10W
R1802	401 038 2101	MT-GLAZE 2.7K JA 1/10W
R1803	401 037 9309	MT-GLAZE 18K JA 1/10W
R1804	401 038 9001	MT-GLAZE 680 JA 1/10W
R1805	401 038 9001	MT-GLAZE 680 JA 1/10W

LOCATION	PARTS NO.	DESCRIPTION
R1806	401 038 6406	MT-GLAZE 4.7K JA 1/10W
R1807	401 037 5400	MT-GLAZE 1K JA 1/10W
R1808	401 037 5400	MT-GLAZE 1K JA 1/10W
R1831	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R1833	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2901	401 037 7909	MT-GLAZE 1.5K JA 1/10W
R2902	401 038 0206	MT-GLAZE 20K JA 1/10W
R2903	401 037 5400	MT-GLAZE 1K JA 1/10W
R2904	401 037 5400	MT-GLAZE 1K JA 1/10W
	(JUMPERS)	
	401 037 5004	MT-GLAZE 0.000 ZA 1/10W

COMPL PWB,TM-1

	613 179 6287	VHR-798E ONLY
	613 179 6317	VHR-798SP,VHR-798EV
	613 178 7803	VHR-768IR ONLY
	613 178 9944	VHR-778EX,VHR-778EV
	(CONNECTORS)	
CN711	645 012 5706	SOCKET,FPC 37P (N.S.P), VHR-798SP,VHR-798E,VHR-798EV
OR	645 005 4822	SOCKET,37P (N.S.P), VHR-798SP,VHR-798E,VHR-798EV
OR	645 009 4422	SOCKET,FFC 37P (N.S.P), VHR-798SP,VHR-798E,VHR-798EV
CN711	645 005 4761	SOCKET,31P (N.S.P),VHR-768IR ONLY
OR	645 012 5645	SOCKET,FPC 31P (N.S.P),VHR-768IR ONLY
OR	645 009 4361	SOCKET,FFC 31P (N.S.P),VHR-768IR ONLY
CN714	645 012 5645	SOCKET,FPC 31P (N.S.P), VHR-778EX,VHR-778EV
OR	645 005 4761	SOCKET,31P (N.S.P),VHR-778EX,VHR-778EV
OR	645 009 4361	SOCKET,FFC 31P (N.S.P), VHR-778EX,VHR-778EV
	(SEMICONDUCTORS)	
Q7101	405 000 3103	TR DTC114ES, VHR-798SP,VHR-798E,VHR-798EV
Q7102	405 000 3103	TR DTC114ES, VHR-798SP,VHR-798E,VHR-798EV
Q7103	405 000 3103	TR DTC114ES, VHR-798SP,VHR-798E,VHR-798EV
Q7104	405 000 3103	TR DTC114ES, VHR-798SP,VHR-798E,VHR-798EV
Q7108	405 000 3103	TR DTC114ES, VHR-798SP,VHR-798E,VHR-798EV
	(DIODES)	
D7101	407 012 4406	DIODE 1SS133
D7102	407 012 4406	DIODE 1SS133
D7103	407 012 4406	DIODE 1SS133
D7104	407 012 4406	DIODE 1SS133
D7108	407 205 7306	LED L-474PG-5/7-M, PLAY-LED, VHR-798SP,VHR-798E,VHR-798EV
D7109	407 205 7306	LED L-474PG-5/7-M, FF-LED, VHR-798SP,VHR-798E,VHR-798EV
D7110	407 205 7306	LED L-474PG-5/7-M, REW-LED, VHR-798SP,VHR-798E,VHR-798EV
D7111	407 205 7306	LED L-474PG-5/7-M, PAUSE-LED, VHR-798SP,VHR-798E,VHR-798EV
D7112	407 205 7306	LED L-474PG-5/7-M, DMSS-LED, VHR-798SP,VHR-798E,VHR-798EV
D7113	407 205 7306	LED L-474PG-5/7-M, STOP LED, VHR-798SP,VHR-798E,VHR-798EV
D7114	407 205 7306	LED L-474PG-5/7-M, STOP LED, VHR-798SP,VHR-798E,VHR-798EV
D7115	408 031 6000	LED SLR-932AV-7, SAT LED,VHR-798E ONLY
	(CAPACITORS)	
C7101	403 043 8802	ELECT 4.7U M 16V,VHR-768IR ONLY
C7101	403 167 7002	ELECT 4.7U M 50V,EXCEPT VHR-768IR
	(RESISTORS)	
R7101	401 015 1509	CARBON 180 JA 1/4W, VHR-798SP,VHR-798E,VHR-798EV
R7102	401 015 1509	CARBON 180 JA 1/4W, VHR-798SP,VHR-798E,VHR-798EV
R7103	401 015 1509	CARBON 180 JA 1/4W, VHR-798SP,VHR-798E,VHR-798EV
R7105	401 015 1509	CARBON 180 JA 1/4W, VHR-798SP,VHR-798E,VHR-798EV
R7106	401 015 1509	CARBON 180 JA 1/4W, VHR-798SP,VHR-798E,VHR-798EV

LOCATION	PARTS NO.	DESCRIPTION
R7108	401 015 1509	CARBON 180 JA 1/4W, VHR-798SP,VHR-798E,VHR-798EV
R7114	401 015 1509	CARBON 180 JA 1/4W, VHR-798SP,VHR-798E,VHR-798EV
	(SWITCHES)	
S7101	645 008 8049	SWITCH,PUSH 1P-1T, POWER,VHR-768IR ONLY
OR	645 001 9777	SWITCH,PUSH 1P-1T, POWER,VHR-768IR ONLY
OR	645 011 5172	SWITCH,PUSH 1P-1T, POWER,VHR-768IR ONLY
OR	645 011 5165	SWITCH,PUSH 1P-1T, POWER,VHR-768IR ONLY
OR	645 006 2797	SWITCH,PUSH 1P-1T, POWER,VHR-768IR ONLY
S7102	645 006 2797	SWITCH,PUSH 1P-1T, STOP/EJECT, VHR-768IR ONLY
OR	645 008 8049	SWITCH,PUSH 1P-1T, STOP/EJECT, VHR-768IR ONLY
OR	645 001 9777	SWITCH,PUSH 1P-1T, STOP/EJECT, VHR-768IR ONLY
OR	645 011 5172	SWITCH,PUSH 1P-1T, STOP/EJECT, VHR-768IR ONLY
OR	645 011 5165	SWITCH,PUSH 1P-1T, STOP/EJECT, VHR-768IR ONLY
S7103	645 008 8049	SWITCH,PUSH 1P-1T, CH-UP,VHR-768IR ONLY
OR	645 011 5172	SWITCH,PUSH 1P-1T, CH-UP,VHR-768IR ONLY
OR	645 001 9777	SWITCH,PUSH 1P-1T, CH-UP,VHR-768IR ONLY
OR	645 011 5165	SWITCH,PUSH 1P-1T, CH-UP,VHR-768IR ONLY
OR	645 006 2797	SWITCH,PUSH 1P-1T, CH-UP,VHR-768IR ONLY
S7103	645 001 9777	SWITCH,PUSH 1P-1T, CH-UP, EXCEPT VHR-768IR
OR	645 008 8049	SWITCH,PUSH 1P-1T, CH-UP, EXCEPT VHR-768IR
OR	645 006 2797	SWITCH,PUSH 1P-1T, CH-UP, EXCEPT VHR-768IR
S7104	645 008 8049	SWITCH,PUSH 1P-1T, CH-DOWN, VHR-768IR ONLY
OR	645 006 2797	SWITCH,PUSH 1P-1T, CH-DOWN, VHR-768IR ONLY
OR	645 001 9777	SWITCH,PUSH 1P-1T, CH-DOWN, VHR-768IR ONLY
OR	645 011 5172	SWITCH,PUSH 1P-1T, CH-DOWN, VHR-768IR ONLY
OR	645 011 5165	SWITCH,PUSH 1P-1T, CH-DOWN, VHR-768IR ONLY
S7104	645 008 8049	SWITCH,PUSH 1P-1T, CH-DOWN, EXCEPT VHR-768IR
OR	645 001 9777	SWITCH,PUSH 1P-1T, CH-DOWN, EXCEPT VHR-768IR
OR	645 006 2797	SWITCH,PUSH 1P-1T, CH-DOWN, EXCEPT VHR-768IR
S7105	645 008 8049	SWITCH,PUSH 1P-1T, REC,EXCEPT VHR-768IR
OR	645 001 9777	SWITCH,PUSH 1P-1T, REC,EXCEPT VHR-768IR
OR	645 006 2797	SWITCH,PUSH 1P-1T, REC,EXCEPT VHR-768IR
S7106	645 006 2797	SWITCH,PUSH 1P-1T, PAUSE,VHR-768IR ONLY
OR	645 008 8049	SWITCH,PUSH 1P-1T, PAUSE,VHR-768IR ONLY
OR	645 001 9777	SWITCH,PUSH 1P-1T, PAUSE,VHR-768IR ONLY
OR	645 011 5172	SWITCH,PUSH 1P-1T, PAUSE,VHR-768IR ONLY
OR	645 011 5165	SWITCH,PUSH 1P-1T, PAUSE,VHR-768IR ONLY
S7106	645 001 9777	SWITCH,PUSH 1P-1T, PAUSE, EXCEPT VHR-768IR
OR	645 006 2797	SWITCH,PUSH 1P-1T, PAUSE, EXCEPT VHR-768IR
OR	645 008 8049	SWITCH,PUSH 1P-1T, PAUSE, EXCEPT VHR-768IR
S7107	645 006 2797	SWITCH,PUSH 1P-1T, REW,VHR-768IR ONLY
OR	645 008 8049	SWITCH,PUSH 1P-1T, REW,VHR-768IR ONLY
OR	645 001 9777	SWITCH,PUSH 1P-1T, REW,VHR-768IR ONLY
OR	645 011 5172	SWITCH,PUSH 1P-1T, REW,VHR-768IR ONLY
OR	645 011 5165	SWITCH,PUSH 1P-1T, REW,VHR-768IR ONLY
S7108	645 008 8049	SWITCH,PUSH 1P-1T, PLAY,VHR-768IR ONLY
OR	645 011 5172	SWITCH,PUSH 1P-1T, PLAY,VHR-768IR ONLY
OR	645 011 5165	SWITCH,PUSH 1P-1T, PLAY,VHR-768IR ONLY
OR	645 006 2797	SWITCH,PUSH 1P-1T, PLAY,VHR-768IR ONLY
OR	645 001 9777	SWITCH,PUSH 1P-1T, PLAY,VHR-768IR ONLY
S7108	645 008 8049	SWITCH,PUSH 1P-1T, FF,EXCEPT VHR-768IR
OR	645 001 9777	SWITCH,PUSH 1P-1T, FF,EXCEPT VHR-768IR
OR	645 006 2797	SWITCH,PUSH 1P-1T, FF,EXCEPT VHR-768IR
S7109	645 008 8049	SWITCH,PUSH 1P-1T, FF,VHR-768IR ONLY
OR	645 011 5172	SWITCH,PUSH 1P-1T, FF,VHR-768IR ONLY
OR	645 011 5165	SWITCH,PUSH 1P-1T, FF,VHR-768IR ONLY
OR	645 006 2797	SWITCH,PUSH 1P-1T, FF,VHR-768IR ONLY
OR	645 001 9777	SWITCH,PUSH 1P-1T, FF,VHR-768IR ONLY

LOCATION	PARTS NO.	DESCRIPTION
S7109	645 008 8049	SWITCH,PUSH 1P-1T, REW,EXCEPT VHR-768IR
OR	645 001 9777	SWITCH,PUSH 1P-1T, REW,EXCEPT VHR-768IR
OR	645 006 2797	SWITCH,PUSH 1P-1T, REW,EXCEPT VHR-768IR
S7110	645 008 8049	SWITCH,PUSH 1P-1T, REC,VHR-768IR ONLY
OR	645 011 5165	SWITCH,PUSH 1P-1T, REC,VHR-768IR ONLY
OR	645 001 9777	SWITCH,PUSH 1P-1T, REC,VHR-768IR ONLY
OR	645 006 2797	SWITCH,PUSH 1P-1T, REC,VHR-768IR ONLY
OR	645 011 5172	SWITCH,PUSH 1P-1T, REC,VHR-768IR ONLY
S7110	645 001 9777	SWITCH,PUSH 1P-1T, STOP/EJECT, EXCEPT VHR-768IR
OR	645 008 8049	SWITCH,PUSH 1P-1T, STOP/EJECT, EXCEPT VHR-768IR
OR	645 006 2797	SWITCH,PUSH 1P-1T, STOP/EJECT, EXCEPT VHR-768IR
S7111	645 008 8049	SWITCH,PUSH 1P-1T, PLAY,EXCEPT VHR-768IR
OR	645 001 9777	SWITCH,PUSH 1P-1T, PLAY,EXCEPT VHR-768IR
OR	645 006 2797	SWITCH,PUSH 1P-1T, PLAY,EXCEPT VHR-768IR
(DISPLAYS)		
A7101	645 020 9437	FLUORESCENT TUBE
OR	645 004 0597	FLUORESCENT TUBE
(REMOTE RECEIVERS)		
RR711	645 021 5384	UNIT,IR RECEIVER PACK (A)
RR711	645 027 2332	UNIT,IR RECEIVER PACK (B)

Take note that (A) and (B) parts have no interchangeability.
UNIT,IR RECEIVER PACK (A) (645 021 5384) should only be used with HOLDER IR, RR711(A) (613 163 1700).
Likewise, UNIT,IR RECEIVER PACK (B) (645 027 2332) should only be used with HOLDER,IR,RR711 (B) (613 173 7488).

(MISCELLANIES)

613 163 1700	HOLDER IR, RR711 (A)
613 173 7488	HOLDER,IR,RR711 (B)
613 139 2267	HOLDER FL, FL
613 101 1137	HOLDER, SAT/CBOX,VHR-798E ONLY

COMPL PWB,TM-2

613 178 9951	VHR-778EX,VHR-778EV
613 179 6294	VHR-798SP,VHR-798EV
613 179 6270	VHR-798E ONLY
(CONNECTORS)	
CN721	645 003 1663 SOCKET,RIBBON 4P (N.S.P),EXCEPT VHR-768IR
CN722	645 003 1670 SOCKET,RIBBON 5P (N.S.P), VHR-798SP,VHR-798E,VHR-798EV
CN723	645 009 9014 SOCKET,RIBBON 3P (N.S.P),VHR-798E ONLY
(SEMICONDUCTORS)	
Q7201	405 006 7204 TR 2SA984K-F,VHR-798E ONLY
OR	405 006 7006 TR 2SA984K-E,VHR-798E ONLY
OR	405 006 6702 TR 2SA984-F,VHR-798E ONLY
OR	405 006 6504 TR 2SA984-E,VHR-798E ONLY
(DIODES)	
D7201	408 031 5900 LED SRZ-932AV-7-1, SAT LED,VHR-798E ONLY
D7204	408 035 5203 LED SEL2413EM-TP2-D, EXCEPT VHR-798E,VHR-768IR
(INDUCTORS)	
L7201	645 003 6910 INDUCTOR,10U J,VHR-798E ONLY
OR	645 003 7627 INDUCTOR,10U J,VHR-798E ONLY
(CAPACITORS)	
C7201	403 071 5408 CERAMIC 220P J 50V, VHR-798SP,VHR-798E,VHR-798EV
C7202	403 071 5408 CERAMIC 220P J 50V, VHR-798SP,VHR-798E,VHR-798EV
C7203	403 139 1809 ELECT 47U M 16V,VHR-798E ONLY
(RESISTORS)	
R7201	401 022 6702 CARBON 75 JA 1/4W, VHR-798SP,VHR-798E,VHR-798EV
R7202	401 012 5609 CARBON 1K JA 1/4W, VHR-798SP,VHR-798E,VHR-798EV
R7203	401 012 5609 CARBON 1K JA 1/4W, VHR-798SP,VHR-798E,VHR-798EV
R7205	401 021 1807 CARBON 560 JA 1/4W,VHR-798E ONLY
R7206	401 023 0600 CARBON 82 JA 1/4W,VHR-798E ONLY
R7207	401 023 0600 CARBON 82 JA 1/4W,VHR-798E ONLY
R7208	401 012 6903 CARBON 10K JA 1/4W,VHR-798E ONLY
R7209	401 013 4106 CARBON 120 JA 1/4W, EXCEPT VHR-798E,VHR-768IR

LOCATION	PARTS NO.	DESCRIPTION
S7201	645 001 9777	SWITCH,PUSH 1P-1T,,EXCEPT VHR-768IR
OR	645 006 2797	SWITCH,PUSH 1P-1T,,EXCEPT VHR-768IR
OR	645 008 8049	SWITCH,PUSH 1P-1T,,EXCEPT VHR-768IR
(JACKS)		
JK721	645 025 7735	JACK,RCA-3, VD/AD.IN, VHR-798SP,VHR-798E,VHR-798EV
(MISCELLANIES)		
	613 171 6988	HOLDER LED, SAT/CBOX,VHR-798E ONLY

COMPL PCB,TM-9

613 179 1091	EXCEPT VHR-768IR (Built In)
613 179 1091	VHR-768IR (Option)
(CONNECTORS)	
CN771	613 113 3853 CONNECTOR,5P (N.S.P)
OR	645 003 0840 PLUG,5P (N.S.P)
(INTEGRATED CIRCUITS)	
IC771	409 380 8604 IC SDA5650
(CAPACITORS)	
C7701	403 060 7505 POLYESTER 0.033U J 50V
C7702	403 071 8102 CERAMIC 2200P K 50V
C7703	403 256 4608 MT-COMPO 0.33U J 50V
C7704	403 013 3004 CERAMIC 150P J 50V
C7705	403 068 0409 CERAMIC 0.1U Z 25V
C7706	403 129 0409 CERAMIC 0.01U K 16V
(RESISTORS)	
R7701	401 038 9209 MT-GLAZE 6.8K JA 1/10W
R7702	401 037 7008 MT-GLAZE 1.2M JA 1/10W
R7703	401 038 9209 MT-GLAZE 6.8K JA 1/10W
R7704	401 037 7008 MT-GLAZE 1.2M JA 1/10W
R7705	401 037 5806 MT-GLAZE 1M JA 1/10W
R7706	401 038 0701 MT-GLAZE 2.2K JA 1/10W
R7707	401 037 5707 MT-GLAZE 100K JA 1/10W
R7708	401 037 5608 MT-GLAZE 10K JA 1/10W

COMPL PWB,TN-3

613 173 4470	VHR-778EX ONLY
(CONNECTORS)	
CN631	645 003 0925 PLUG,11P (N.S.P),VHR-778EX ONLY
(SEMICONDUCTORS)	
Q6301	405 011 8401 TR 2SC1740S-Q,VHR-778EX ONLY
OR	405 099 8508 TR 2SC4640S,VHR-778EX ONLY
OR	405 011 8500 TR 2SC1740S-R,VHR-778EX ONLY
OR	405 099 8607 TR 2SC4640T,VHR-778EX ONLY
OR	405 093 0607 TR KSC2785-Y,VHR-778EX ONLY
(INTEGRATED CIRCUITS)	
IC631	409 370 6504 IC TDA9840,VHR-778EX ONLY
IC632	409 002 5905 IC BA403,VHR-778EX ONLY
(CRYSTAL DEVICES)	
X6301	645 002 0711 OSC,CRYSTAL 10MHZ,VHR-778EX ONLY
(CERAMIC RESONATORS)	
XF631	645 020 7914 DISCR,CERAMIC 5.74MHZ,VHR-778EX ONLY
XF632	645 006 3022 CERAMIC FILTER 5.742MHZ,VHR-778EX ONLY
(VARIABLE RESISTORS)	
VR631	645 001 9487 VR,SEMI 22K N,VHR-778EX ONLY
OR	645 003 5692 VR,SEMI,22K N,VHR-778EX ONLY
(INDUCTORS)	
L6301	645 002 1428 INDUCTOR,15U J,VHR-778EX ONLY
OR	645 003 7955 INDUCTOR,15U J,VHR-778EX ONLY
L6302	645 003 6910 INDUCTOR,10U J,VHR-778EX ONLY
OR	645 003 7627 INDUCTOR,10U J,VHR-778EX ONLY
L6303	645 003 6910 INDUCTOR,10U J,VHR-778EX ONLY
OR	645 003 7627 INDUCTOR,10U J,VHR-778EX ONLY
(TRANSFORMERS)	
T6301	645 020 7921 TRANS,IF 54.7MHZ,VHR-778EX ONLY
(CAPACITORS)	
C6301	403 009 1809 CERAMIC 10P J 50V,VHR-778EX ONLY
C6302	403 024 1501 CERAMIC 39P J 50V,VHR-778EX ONLY
C6303	403 001 1906 CERAMIC 0.01U M 16V,VHR-778EX ONLY
C6304	403 001 1906 CERAMIC 0.01U M 16V,VHR-778EX ONLY
C6305	403 107 9905 ELECT 10U M 16V,VHR-778EX ONLY
C6306	403 001 1906 CERAMIC 0.01U M 16V,VHR-778EX ONLY
C6307	403 125 5606 ELECT 100U M 16V,VHR-778EX ONLY
C6308	403 134 8100 ELECT 100U M 6.3V,VHR-778EX ONLY

LOCATION	PARTS NO.	DESCRIPTION
C6309	403 001 1906	CERAMIC 0.01U M 16V,VHR-778EX ONLY
C6310	403 001 1906	CERAMIC 0.01U M 16V,VHR-778EX ONLY
C6311	403 001 1906	CERAMIC 0.01U M 16V,VHR-778EX ONLY
C6312	403 121 3507	ELECT 4.7U M 50V,VHR-778EX ONLY
C6313	403 121 3507	ELECT 4.7U M 50V,VHR-778EX ONLY
C6314	403 107 9905	ELECT 10U M 16V,VHR-778EX ONLY
C6315	403 001 1906	CERAMIC 0.01U M 16V,VHR-778EX ONLY
C6316	403 121 9509	CERAMIC 0.1U Z 50V,VHR-778EX ONLY
C6317	403 026 2209	CERAMIC 47P J 50V,VHR-778EX ONLY
C6318	403 134 8100	ELECT 100U M 6.3V,VHR-778EX ONLY
C6319	403 107 9905	ELECT 10U M 16V,VHR-778EX ONLY
C6320	403 107 9905	ELECT 10U M 16V,VHR-778EX ONLY
C6321	403 001 5102	CERAMIC 2200P M 16V,VHR-778EX ONLY
(RESISTORS)		
R6301	401 014 4006	CARBON 1.5K JA 1/4W,VHR-778EX ONLY
R6303	401 018 2701	CARBON 330 JA 1/4W,VHR-778EX ONLY
R6304	401 021 1807	CARBON 560 JA 1/4W,VHR-778EX ONLY
R6305	401 012 5609	CARBON 1K JA 1/4W,VHR-778EX ONLY
R6306	401 012 5609	CARBON 1K JA 1/4W,VHR-778EX ONLY
R6307	401 013 6308	CARBON 12K JA 1/4W,VHR-778EX ONLY
R6308	401 023 2703	CARBON 8.2K JA 1/4W,VHR-778EX ONLY
R6311	401 020 1907	CARBON 4.7K JA 1/4W,VHR-778EX ONLY
R6312	401 012 6903	CARBON 10K JA 1/4W,VHR-778EX ONLY
R6313	401 017 2702	CARBON 27K JA 1/4W,VHR-778EX ONLY

COMPL PWB,TN-5

613 161 6226 VHR-798E,VHR-768IR

(CONNECTORS)

CN671 645 003 0925 PLUG,11P (N.S.P),VHR-798E,VHR-768IR
(SEMICONDUCTORS)

Q6701 405 015 8407 TR 2SC2812-L5,VHR-798E,VHR-768IR
OR 405 014 4608 TR 2SC2412K-S,VHR-798E,VHR-768IR
OR 405 014 4509 TR 2SC2412K-R,VHR-798E,VHR-768IR
OR 405 015 8704 TR 2SC2812-L6,VHR-798E,VHR-768IR
Q6741 405 002 6508 TR 2SA1179-M5,VHR-798E,VHR-768IR
OR 405 002 0407 TR 2SA1037K-S,VHR-798E,VHR-768IR
OR 405 002 0308 TR 2SA1037K-R,VHR-798E,VHR-768IR
OR 405 002 6706 TR 2SA1179-M6,VHR-798E,VHR-768IR
Q6742 405 002 6508 TR 2SA1179-M5,VHR-798E,VHR-768IR
OR 405 002 0407 TR 2SA1037K-S,VHR-798E,VHR-768IR
OR 405 002 0308 TR 2SA1037K-R,VHR-798E,VHR-768IR
OR 405 002 6706 TR 2SA1179-M6,VHR-798E,VHR-768IR

(INTEGRATED CIRCUITS)

IC671 409 344 9807 IC SAA7283GP(M1),VHR-798E,VHR-768IR
OR 409 374 6302 IC SAA7283(M2),VHR-798E,VHR-768IR

(DIODES)

D6701 407 169 8005 VARACTOR DI BB405B,VHR-798E,VHR-768IR
D6702 407 007 9904 DIODE GMA01,VHR-798E,VHR-768IR
OR 407 012 4406 DIODE 1SS133,VHR-798E,VHR-768IR

(CRYSTAL DEVICES)

X6701 645 007 7449 OSC,CRYSTAL 8.192MHZ,VHR-798E,VHR-768IR

(INDUCTORS)

L6701 645 003 7023 INDUCTOR,2.2U J,VHR-798E,VHR-768IR
OR 645 003 7429 INDUCTOR,2.2U J,VHR-798E,VHR-768IR
L6702 645 003 7023 INDUCTOR,2.2U J,VHR-798E,VHR-768IR
OR 645 003 7429 INDUCTOR,2.2U J,VHR-798E,VHR-768IR
L6703 645 002 1411 INDUCTOR,10U J,VHR-798E,VHR-768IR
OR 645 003 7894 INDUCTOR,10U J,VHR-798E,VHR-768IR
L6704 645 003 7023 INDUCTOR,2.2U J,VHR-798E,VHR-768IR
OR 645 003 7429 INDUCTOR,2.2U J,VHR-798E,VHR-768IR
L6705 645 003 7023 INDUCTOR,2.2U J,VHR-798E,VHR-768IR
OR 645 003 7429 INDUCTOR,2.2U J,VHR-798E,VHR-768IR

(CAPACITORS)

C6701 403 159 1001 CERAMIC 0.22U Z 16V,VHR-798E,VHR-768IR
C6702 403 068 0409 CERAMIC 0.1U Z 25V,VHR-798E,VHR-768IR
C6703 403 135 4002 ELECT 47U M 6.3V,VHR-798E,VHR-768IR
C6704 403 159 1001 CERAMIC 0.22U Z 16V,VHR-798E,VHR-768IR
C6705 403 184 9300 MT-POLYEST 0.047U J 50V,VHR-798E,VHR-768IR
C6706 403 107 9905 ELECT 10U M 16V,VHR-798E,VHR-768IR
C6707 403 134 9602 ELECT 47U M 16V,VHR-798E,VHR-768IR
C6708 403 069 5601 CERAMIC 0.01U K 50V,VHR-798E,VHR-768IR

LOCATION	PARTS NO.	DESCRIPTION
C6709	403 107 9905	ELECT 10U M 16V,VHR-798E,VHR-768IR
C6710	403 068 0409	CERAMIC 0.1U Z 25V,VHR-798E,VHR-768IR
C6711	403 008 7505	CERAMIC 10P D 50V,VHR-798E,VHR-768IR
C6712	403 024 7206	CERAMIC 390P J 50V,VHR-798E,VHR-768IR
C6714	403 069 5601	CERAMIC 0.01U K 50V,VHR-798E,VHR-768IR
C6715	403 107 9905	ELECT 10U M 16V,VHR-798E,VHR-768IR
C6716	403 018 7502	CERAMIC 220P J 50V,VHR-798E,VHR-768IR
C6717	403 107 9905	ELECT 10U M 16V,VHR-798E,VHR-768IR
C6718	403 068 0409	CERAMIC 0.1U Z 25V,VHR-798E,VHR-768IR
C6719	403 109 6308	ELECT 1U M 50V,VHR-798E,VHR-768IR
C6720	403 068 0409	CERAMIC 0.1U Z 25V,VHR-798E,VHR-768IR
C6721	403 069 5601	CERAMIC 0.01U K 50V,VHR-798E,VHR-768IR
C6722	403 107 9905	ELECT 10U M 16V,VHR-798E,VHR-768IR
C6723	403 168 6202	MT-POLYEST 0.33U J 50V,VHR-798E,VHR-768IR
C6724	403 072 1607	CERAMIC 0.022U K 50V,VHR-798E,VHR-768IR
C6725	403 026 2803	CERAMIC 47P J 50V,VHR-798E,VHR-768IR
C6726	403 026 2803	CERAMIC 47P J 50V,VHR-798E,VHR-768IR
C6727	403 068 0409	CERAMIC 0.1U Z 25V,VHR-798E,VHR-768IR
C6728	403 130 2904	ELECT 0.47U M 50V,VHR-798E,VHR-768IR
C6729	403 135 4002	ELECT 47U M 6.3V,VHR-798E,VHR-768IR
C6730	403 069 5601	CERAMIC 0.01U K 50V,VHR-798E,VHR-768IR
C6731	403 068 0409	CERAMIC 0.1U Z 25V,VHR-798E,VHR-768IR
C6732	403 135 4002	ELECT 47U M 6.3V,VHR-798E,VHR-768IR
C6733	403 069 5601	CERAMIC 0.01U K 50V,VHR-798E,VHR-768IR
C6734	403 125 5606	ELECT 100U M 16V,VHR-798E,VHR-768IR
C6741	403 069 5601	CERAMIC 0.01U K 50V,VHR-798E,VHR-768IR
C6742	403 069 5601	CERAMIC 0.01U K 50V,VHR-798E,VHR-768IR
C6743	403 073 0005	CERAMIC 3300P K 50V,VHR-798E,VHR-768IR
C6744	403 073 0005	CERAMIC 3300P K 50V,VHR-798E,VHR-768IR
C6745	403 107 9905	ELECT 10U M 16V,VHR-798E,VHR-768IR
C6746	403 107 9905	ELECT 10U M 16V,VHR-798E,VHR-768IR
(RESISTORS)		
R6701	401 037 9200	MT-GLAZE 1.8K JA 1/10W,VHR-798E,VHR-768IR
R6702	401 038 3702	MT-GLAZE 33K JA 1/10W,VHR-798E,VHR-768IR
R6703	401 038 0701	MT-GLAZE 2.2K JA 1/10W,VHR-798E,VHR-768IR
R6704	401 037 8005	MT-GLAZE 15K JA 1/10W,VHR-798E,VHR-768IR
R6705	401 037 5400	MT-GLAZE 1K JA 1/10W,VHR-798E,VHR-768IR
R6706	401 037 5202	MT-GLAZE 100 JA 1/10W,VHR-798E,VHR-768IR
R6708	401 038 0701	MT-GLAZE 2.2K JA 1/10W,VHR-798E,VHR-768IR
R6709	401 037 5608	MT-GLAZE 10K JA 1/10W,VHR-798E,VHR-768IR
R6710	401 038 0800	MT-GLAZE 22K JA 1/10W,VHR-798E,VHR-768IR
R6712	401 037 5004	MT-GLAZE 0.000 ZA 1/10W,VHR-798E,VHR-768IR
R6714	401 037 5608	MT-GLAZE 10K JA 1/10W,VHR-798E,VHR-768IR
R6715	401 038 0800	MT-GLAZE 22K JA 1/10W,VHR-798E,VHR-768IR
R6716	401 037 5806	MT-GLAZE 1M JA 1/10W,VHR-798E,VHR-768IR
R6717	401 037 5608	MT-GLAZE 10K JA 1/10W,VHR-798E,VHR-768IR

LOCATION	PARTS NO.	DESCRIPTION	LOCATION	PARTS NO.	DESCRIPTION
R6718	401 038 9407	MT-GLAZE 680K JA 1/10W, VHR-798E,VHR-768IR	C6803	403 026 2902	CERAMIC 47P J 50V, VHR-778EV,VHR-798SP,VHR-798EV
R6741	401 037 7909	MT-GLAZE 1.5K JA 1/10W, VHR-798E,VHR-768IR	C6804	403 215 3109	CERAMIC 0.1U Z 16V, VHR-778EV,VHR-798SP,VHR-798EV
R6742	401 037 7909	MT-GLAZE 1.5K JA 1/10W, VHR-798E,VHR-768IR	C6806	403 069 5601	CERAMIC 0.01U K 50V, VHR-778EV,VHR-798SP,VHR-798EV
R6743	401 037 7909	MT-GLAZE 1.5K JA 1/10W, VHR-798E,VHR-768IR	C6807	403 121 3507	ELECT 4.7U M 50V, VHR-778EV,VHR-798SP,VHR-798EV
R6744	401 037 7909	MT-GLAZE 1.5K JA 1/10W, VHR-798E,VHR-768IR	C6808	403 109 6308	ELECT 1U M 50V, VHR-778EV,VHR-798SP,VHR-798EV
R6745	401 038 0701	MT-GLAZE 2.2K JA 1/10W, VHR-798E,VHR-768IR	C6809	403 012 6907	CERAMIC 15P J 50V, VHR-778EV,VHR-798SP,VHR-798EV
R6746	401 038 0701	MT-GLAZE 2.2K JA 1/10W, VHR-798E,VHR-768IR	C6810	403 206 8601	CERAMIC 0.33U Z 16V, VHR-778EV,VHR-798SP,VHR-798EV
R6747	401 037 5400	MT-GLAZE 1K JA 1/10W, VHR-798E,VHR-768IR	C6811	403 073 1200	CERAMIC 0.033U K 50V, VHR-778EV,VHR-798SP,VHR-798EV
R6748	401 037 5400	MT-GLAZE 1K JA 1/10W, VHR-798E,VHR-768IR	C6812	403 069 5601	CERAMIC 0.01U K 50V, VHR-778EV,VHR-798SP,VHR-798EV
COMPL PWB,TN-6			C6813	403 121 3507	ELECT 4.7U M 50V, VHR-778EV,VHR-798SP,VHR-798EV
	613 178 9289	VHR-778EV,VHR-798SP,VHR-798EV	C6815	403 215 3109	CERAMIC 0.1U Z 16V, VHR-778EV,VHR-798SP,VHR-798EV
(CONNECTORS)			C6817	403 069 5601	CERAMIC 0.01U K 50V, VHR-778EV,VHR-798SP,VHR-798EV
CN681	645 003 0925	PLUG,11P (N.S.P), VHR-778EV,VHR-798SP,VHR-798EV	C6818	403 121 3507	ELECT 4.7U M 50V, VHR-778EV,VHR-798SP,VHR-798EV
(SEMICONDUCTORS)			C6820	403 163 7907	ELECT 47U M 6.3V, VHR-778EV,VHR-798SP,VHR-798EV
Q6803	405 015 8407	TR 2SC2812-L5, VHR-778EV,VHR-798SP,VHR-798EV	C6824	403 215 3109	CERAMIC 0.1U Z 16V, VHR-778EV,VHR-798SP,VHR-798EV
OR	405 014 4608	TR 2SC2412K-S, VHR-778EV,VHR-798SP,VHR-798EV	C6826	403 069 5601	CERAMIC 0.01U K 50V, VHR-778EV,VHR-798SP,VHR-798EV
OR	405 014 4509	TR 2SC2412K-R, VHR-778EV,VHR-798SP,VHR-798EV	C6828	403 069 5601	CERAMIC 0.01U K 50V, VHR-778EV,VHR-798SP,VHR-798EV
OR	405 015 8704	TR 2SC2812-L6, VHR-778EV,VHR-798SP,VHR-798EV	C6830	403 069 5601	CERAMIC 0.01U K 50V, VHR-778EV,VHR-798SP,VHR-798EV
(INTEGRATED CIRCUITS)			C6831	403 121 3507	ELECT 4.7U M 50V, VHR-778EV,VHR-798SP,VHR-798EV
IC681	409 409 4600	IC TDA9874H, VHR-778EV,VHR-798SP,VHR-798EV	C6832	403 069 5601	CERAMIC 0.01U K 50V, VHR-778EV,VHR-798SP,VHR-798EV
(DIODES)			C6833	403 135 4002	ELECT 47U M 6.3V, VHR-778EV,VHR-798SP,VHR-798EV
D6801	407 169 8005	VARACTOR DI BB405B, VHR-778EV,VHR-798SP,VHR-798EV	C6834	403 069 5601	CERAMIC 0.01U K 50V, VHR-778EV,VHR-798SP,VHR-798EV
OR	407 205 7702	VARACTOR DI BB135, VHR-778EV,VHR-798SP,VHR-798EV	C6835	403 125 5606	ELECT 100U M 16V, VHR-778EV,VHR-798SP,VHR-798EV
(CRYSTAL DEVICES)			C6838	403 121 3408	ELECT 2.2U M 50V, VHR-778EV,VHR-798SP,VHR-798EV
X6801	645 026 6928	OSC,CRYSTAL 24.576MHZ, VHR-778EV,VHR-798SP,VHR-798EV	C6841	403 121 3408	ELECT 2.2U M 50V, VHR-778EV,VHR-798SP,VHR-798EV
(INDUCTORS)			C6842	403 069 5601	CERAMIC 0.01U K 50V, VHR-778EV,VHR-798SP,VHR-798EV
L6802	645 001 5441	INDUCTOR,2.2U K, VHR-778EV,VHR-798SP,VHR-798EV	C6843	403 069 5601	CERAMIC 0.01U K 50V, VHR-778EV,VHR-798SP,VHR-798EV
OR	645 005 3887	INDUCTOR,2.2U M, VHR-778EV,VHR-798SP,VHR-798EV	C6844	403 012 6907	CERAMIC 15P J 50V, VHR-778EV,VHR-798SP,VHR-798EV
L6803	645 002 1640	INDUCTOR,1.8U K, VHR-778EV,VHR-798SP,VHR-798EV	C6847	403 135 4002	ELECT 47U M 6.3V, VHR-778EV,VHR-798SP,VHR-798EV
OR	645 005 3870	INDUCTOR,1.8U M, VHR-778EV,VHR-798SP,VHR-798EV	(RESISTORS)		
L6806	645 001 5441	INDUCTOR,2.2U K, VHR-778EV,VHR-798SP,VHR-798EV	R6803	401 039 0403	MT-GLAZE 8.2K JA 1/10W, VHR-778EV,VHR-798SP,VHR-798EV
OR	645 005 3887	INDUCTOR,2.2U M, VHR-778EV,VHR-798SP,VHR-798EV	R6804	401 038 5300	MT-GLAZE 39K JA 1/10W, VHR-778EV,VHR-798SP,VHR-798EV
L6808	645 001 5441	INDUCTOR,2.2U K, VHR-778EV,VHR-798SP,VHR-798EV	R6805	401 037 5608	MT-GLAZE 10K JA 1/10W, VHR-778EV,VHR-798SP,VHR-798EV
OR	645 005 3887	INDUCTOR,2.2U M, VHR-778EV,VHR-798SP,VHR-798EV	R6806	401 038 5300	MT-GLAZE 39K JA 1/10W, VHR-778EV,VHR-798SP,VHR-798EV
L6810	645 001 5441	INDUCTOR,2.2U K, VHR-778EV,VHR-798SP,VHR-798EV	R6812	401 037 5400	MT-GLAZE 1K JA 1/10W, VHR-778EV,VHR-798SP,VHR-798EV
OR	645 005 3887	INDUCTOR,2.2U M, VHR-778EV,VHR-798SP,VHR-798EV	R6816	401 037 5400	MT-GLAZE 1K JA 1/10W, VHR-778EV,VHR-798SP,VHR-798EV
L6811	645 001 5441	INDUCTOR,2.2U K, VHR-778EV,VHR-798SP,VHR-798EV	R6817	401 038 0701	MT-GLAZE 2.2K JA 1/10W, VHR-778EV,VHR-798SP,VHR-798EV
OR	645 005 3887	INDUCTOR,2.2U M, VHR-778EV,VHR-798SP,VHR-798EV	R6818	401 037 5608	MT-GLAZE 10K JA 1/10W, VHR-778EV,VHR-798SP,VHR-798EV
L6812	645 001 5441	INDUCTOR,2.2U K, VHR-778EV,VHR-798SP,VHR-798EV	R6819	401 038 0800	MT-GLAZE 22K JA 1/10W, VHR-778EV,VHR-798SP,VHR-798EV
OR	645 005 3887	INDUCTOR,2.2U M, VHR-778EV,VHR-798SP,VHR-798EV	R6822	401 038 6406	MT-GLAZE 4.7K JA 1/10W, VHR-778EV,VHR-798SP,VHR-798EV
(CAPACITORS)					
C6801	403 215 3109	CERAMIC 0.1U Z 16V, VHR-778EV,VHR-798SP,VHR-798EV			

LOCATION	PARTS NO.	DESCRIPTION
R6823	401 038 6406	MT-GLAZE 4.7K JA 1/10W, VHR-778EV,VHR-798SP,VHR-798EV
	(JUMPERS)	
	401 037 5004	MT-GLAZE 0.000 ZA 1/10W, VHR-778EV,VHR-798SP,VHR-798EV

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	613 176 3982	VHR-798SP,VHR-798EV
	(CONNECTORS)	
CN251	645 007 6336	PLUG,7P (N.S.P),VHR-798SP,VHR-798EV
	(SEMICONDUCTORS)	
Q2501	405 015 8407	TR 2SC2812-L5,VHR-798SP,VHR-798EV
OR	405 015 8704	TR 2SC2812-L6,VHR-798SP,VHR-798EV
OR	405 014 4509	TR 2SC2412K-R,VHR-798SP,VHR-798EV
OR	405 014 4608	TR 2SC2412K-S,VHR-798SP,VHR-798EV
Q2502	405 015 8407	TR 2SC2812-L5,VHR-798SP,VHR-798EV
OR	405 015 8704	TR 2SC2812-L6,VHR-798SP,VHR-798EV
OR	405 014 4509	TR 2SC2412K-R,VHR-798SP,VHR-798EV
OR	405 014 4608	TR 2SC2412K-S,VHR-798SP,VHR-798EV
	(INTEGRATED CIRCUITS)	
IC251	409 378 7107	IC LC85401E,VHR-798SP,VHR-798EV
IC252	409 314 8403	IC LC32256P-80,VHR-798SP,VHR-798EV
OR	409 235 1408	IC LM33256G-10,VHR-798SP,VHR-798EV
OR	409 158 1400	IC LM33256G-12,VHR-798SP,VHR-798EV
OR	409 123 4306	IC LM33256N-15,VHR-798SP,VHR-798EV
	(CRYSTAL DEVICES)	
X2501	645 011 5431	OSC,CERAMIC 18.43MHZ, VHR-798SP,VHR-798EV
	(CAPACITORS)	
C2501	403 215 3109	CERAMIC 0.1U Z 16V, VHR-798SP,VHR-798EV
C2502	403 107 9905	ELECT 10U M 16V,VHR-798SP,VHR-798EV
C2503	403 134 8100	ELECT 100U M 6.3V,VHR-798SP,VHR-798EV
C2504	403 069 9500	CERAMIC 0.01U Z 50V, VHR-798SP,VHR-798EV
C2505	403 134 8100	ELECT 100U M 6.3V,VHR-798SP,VHR-798EV
C2506	403 069 9500	CERAMIC 0.01U Z 50V, VHR-798SP,VHR-798EV
C2508	403 121 2401	ELECT 22U M 16V,VHR-798SP,VHR-798EV
C2509	403 121 3408	ELECT 2.2U M 50V,VHR-798SP,VHR-798EV
C2510	403 001 7908	CERAMIC 0.047U K 16V, VHR-798SP,VHR-798EV
C2511	403 010 1102	CERAMIC 1000P J 50V, VHR-798SP,VHR-798EV
C2512	403 010 1102	CERAMIC 1000P J 50V, VHR-798SP,VHR-798EV
C2513	403 071 8102	CERAMIC 2200P K 50V, VHR-798SP,VHR-798EV
C2514	403 069 9500	CERAMIC 0.01U Z 50V, VHR-798SP,VHR-798EV
C2515	403 010 1102	CERAMIC 1000P J 50V, VHR-798SP,VHR-798EV
C2517	403 010 1102	CERAMIC 1000P J 50V, VHR-798SP,VHR-798EV
C2518	403 135 4002	ELECT 47U M 6.3V,VHR-798SP,VHR-798EV
C2519	403 069 1702	CERAMIC 1000P K 50V, VHR-798SP,VHR-798EV
C2520	403 073 4201	CERAMIC 3900P K 50V, VHR-798SP,VHR-798EV
C2524	403 107 9905	ELECT 10U M 16V,VHR-798SP,VHR-798EV
C2525	403 022 8205	CERAMIC 33P J 50V, VHR-798SP,VHR-798EV
	(RESISTORS)	
R2501	401 038 3603	MT-GLAZE 3.3K JA 1/10W, VHR-798SP,VHR-798EV
R2502	401 038 3702	MT-GLAZE 33K JA 1/10W, VHR-798SP,VHR-798EV
R2503	401 037 5608	MT-GLAZE 10K JA 1/10W, VHR-798SP,VHR-798EV
R2504	401 037 5400	MT-GLAZE 1K JA 1/10W, VHR-798SP,VHR-798EV
R2505	401 038 6406	MT-GLAZE 4.7K JA 1/10W, VHR-798SP,VHR-798EV
R2506	401 038 6406	MT-GLAZE 4.7K JA 1/10W, VHR-798SP,VHR-798EV

LOCATION	PARTS NO.	DESCRIPTION
R2507	401 164 7407	MT-FILM 1.8K DU 1/10W, VHR-798SP,VHR-798EV
R2508	401 165 1305	MT-FILM 68K DU 1/10W, VHR-798SP,VHR-798EV
R2509	401 164 7100	MT-FILM 1.5K DU 1/10W, VHR-798SP,VHR-798EV
R2510	401 037 5608	MT-GLAZE 10K JA 1/10W, VHR-798SP,VHR-798EV
R2511	401 038 0909	MT-GLAZE 220K JA 1/10W, VHR-798SP,VHR-798EV
R2512	401 038 6505	MT-GLAZE 47K JA 1/10W, VHR-798SP,VHR-798EV
R2513	401 037 5400	MT-GLAZE 1K JA 1/10W, VHR-798SP,VHR-798EV
R2514	401 037 9309	MT-GLAZE 18K JA 1/10W, VHR-798SP,VHR-798EV
R2515	401 038 0909	MT-GLAZE 220K JA 1/10W, VHR-798SP,VHR-798EV
R2516	401 037 5608	MT-GLAZE 10K JA 1/10W, VHR-798SP,VHR-798EV
R2517	401 038 7908	MT-GLAZE 560K JA 1/10W, VHR-798SP,VHR-798EV
R2518	401 037 5400	MT-GLAZE 1K JA 1/10W, VHR-798SP,VHR-798EV
R2519	401 037 5608	MT-GLAZE 10K JA 1/10W, VHR-798SP,VHR-798EV
R2521	401 037 5707	MT-GLAZE 100K JA 1/10W, VHR-798SP,VHR-798EV
R2526	401 037 6803	MT-GLAZE 12K JA 1/10W, VHR-798SP,VHR-798EV
R2527	401 037 6803	MT-GLAZE 12K JA 1/10W, VHR-798SP,VHR-798EV
R2529	401 038 3702	MT-GLAZE 33K JA 1/10W, VHR-798SP,VHR-798EV
	(FILTER)	
F2501	610 247 3322	FILTER,EMI 22000PF,VHR-798SP,VHR-798EV
	(JUMPERS)	
	401 037 5004	MT-GLAZE 0.000 ZA 1/10W, VHR-798SP,VHR-798EV

COMPL PWB,AD-6

	613 179 8366	EXCEPT VHR-768IR
	(CONNECTORS)	
CN261	613 010 7947	PLUG (N.S.P),EXCEPT VHR-768IR
	(SEMICONDUCTORS)	
Q2613	405 000 2007	TR DTA144EK,EXCEPT VHR-768IR
Q2651	405 083 5209	TR DTC343TK,EXCEPT VHR-768IR
Q2652	405 083 5209	TR DTC343TK,EXCEPT VHR-768IR
	(INTEGRATED CIRCUITS)	
IC261	409 405 6004	IC MM1369BD,EXCEPT VHR-768IR
IC262	409 192 7109	IC BA15218F,EXCEPT VHR-768IR
OR	409 192 7109	IC BA15218F,EXCEPT VHR-768IR
	(CAPACITORS)	
C2601	403 150 6500	ELECT 22U M 16V,EXCEPT VHR-768IR
C2602	403 075 0706	CERAMIC 6800P K 50V, EXCEPT VHR-768IR
C2603	403 010 1102	CERAMIC 1000P J 50V, EXCEPT VHR-768IR
C2604	403 168 6103	MT-POLYEST 0.1U J 50V,EXCEPT VHR-768IR
C2607	403 163 8409	ELECT 47U M 16V,EXCEPT VHR-768IR
C2609	403 191 8808	ELECT 2.2U M 50V,EXCEPT VHR-768IR
C2614	403 069 5601	CERAMIC 0.01U K 50V, EXCEPT VHR-768IR
C2615	403 069 5601	CERAMIC 0.01U K 50V, EXCEPT VHR-768IR
C2616	403 069 5601	CERAMIC 0.01U K 50V, EXCEPT VHR-768IR
C2617	403 069 5601	CERAMIC 0.01U K 50V, EXCEPT VHR-768IR
C2619	403 010 1102	CERAMIC 1000P J 50V, EXCEPT VHR-768IR
C2620	403 168 6103	MT-POLYEST 0.1U J 50V,EXCEPT VHR-768IR
C2622	403 075 0706	CERAMIC 6800P K 50V, EXCEPT VHR-768IR
C2623	403 150 6500	ELECT 22U M 16V,EXCEPT VHR-768IR
C2624	403 193 7809	ELECT 100U M 16V,EXCEPT VHR-768IR

LOCATION	PARTS NO.	DESCRIPTION
C2632	403 189 2405	ELECT 10U M 16V,EXCEPT VHR-768IR
C2636	403 189 2405	ELECT 10U M 16V,EXCEPT VHR-768IR
C2651	403 139 1601	ELECT 22U M 16V,EXCEPT VHR-768IR
C2652	403 150 6500	ELECT 22U M 16V,EXCEPT VHR-768IR
(RESISTORS)		
R2602	401 038 8004	MT-GLAZE 5.6M JA 1/10W,EXCEPT VHR-768IR
R2604	401 037 9507	MT-GLAZE 1.8M JA 1/10W,EXCEPT VHR-768IR
R2605	401 038 2408	MT-GLAZE 2.7M JA 1/10W,EXCEPT VHR-768IR
R2606	401 037 5400	MT-GLAZE 1K JA 1/10W, EXCEPT VHR-768IR
R2607	401 038 6505	MT-GLAZE 47K JA 1/10W, EXCEPT VHR-768IR
R2610	401 037 5400	MT-GLAZE 1K JA 1/10W, EXCEPT VHR-768IR
R2618	401 038 9704	MT-GLAZE 7.5K JA 1/10W,EXCEPT VHR-768IR
R2623	401 037 5806	MT-GLAZE 1M JA 1/10W, EXCEPT VHR-768IR
R2631	401 038 7700	MT-GLAZE 5.6K JA 1/10W,EXCEPT VHR-768IR
R2632	401 038 5102	MT-GLAZE 3.9K JA 1/10W,EXCEPT VHR-768IR
R2636	401 038 5102	MT-GLAZE 3.9K JA 1/10W,EXCEPT VHR-768IR
R2637	401 038 7700	MT-GLAZE 5.6K JA 1/10W,EXCEPT VHR-768IR
R2651	401 038 7700	MT-GLAZE 5.6K JA 1/10W,EXCEPT VHR-768IR
R2652	401 038 7700	MT-GLAZE 5.6K JA 1/10W,EXCEPT VHR-768IR
R2653	401 038 0602	MT-GLAZE 220 JA 1/10W, EXCEPT VHR-768IR
R2654	401 038 0602	MT-GLAZE 220 JA 1/10W, EXCEPT VHR-768IR
R2661	401 037 6704	MT-GLAZE 1.2K JA 1/10W,EXCEPT VHR-768IR
R2662	401 037 5608	MT-GLAZE 10K JA 1/10W, EXCEPT VHR-768IR
R2663	401 037 6704	MT-GLAZE 1.2K JA 1/10W,EXCEPT VHR-768IR
R2664	401 037 5608	MT-GLAZE 10K JA 1/10W, EXCEPT VHR-768IR
(JUMPERS)		
	401 037 5004	MT-GLAZE 0.000 ZA 1/10W,EXCEPT VHR-768IR
(MISCELLANIES)		
	613 053 8055	FIXER,EXCEPT VHR-768IR

FLEXIBLE FLAT CABLE

645 017 0645	FLEXIBLE FLAT CABLE,(CN301-CN711), VHR-778EX,VHR-778EV,VHR-768IR
645 021 0501	FLEXIBLE FLAT CABLE,(CN301-CN711), VHR-798SP,VHR-798E,VHR-798EV

COMPL PWB,MC-1,

613 173 9451	EXCEPT VHR-798SP,VHR-798E
613 177 0379	VHR-798SP,VHR-798E

(CONNECTORS)

CN801	645 007 8446	SOCKET,12P (N.S.P)
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(CAPACITORS)

C8001	403 121 9509	CERAMIC 0.1U Z 50V
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(RESISTORS)

R8001	401 015 2605	CARBON 1.8K JA 1/4W
R8002	401 023 1607	CARBON 820 JA 1/4W
R8003	401 017 0708	CARBON 270 JA 1/4W
R8004	401 014 2804	CARBON 150 JA 1/4W
R8005	401 017 0708	CARBON 270 JA 1/4W

(SWITCHES)

S8002	645 003 4589	SWITCH,DETECTOR 1P-1T,
OR	645 009 3388	SWITCH,DETECTOR 1P-1T,

(MISCELLANIES)

613 152 4002	SPACER,MC1
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ACCESSORIES

645 027 3346	REMOCON,INFRARED,WITH COVER BATTERY, VHR-798E ONLY
645 027 0888	REMOCON,INFRARED,WITH COVER BATTERY, VHR-778EX,VHR-778EV
645 026 4627	REMOCON,INFRARED,WITH COVER BATTERY, VHR-768IR ONLY
645 027 3353	REMOCON,INFRARED, WITH COVER BATTERY,VHR-798SP,VHR-798EV

LOCATION	PARTS NO.	DESCRIPTION
	613 177 1901	COVER BATTERY, FOR REMOCON,INFRARED, VHR-798SP,VHR-798E,VHR-798EV
	613 179 2531	COVER BATTERY, FOR REMOCON,INFRARED VHR-768E ONLY
	613 179 2586	COVER BATTERY, FOR REMOCON,INFRARED, VHR-778EX,VHR-778EV
	613 179 6072	INSTRUCTION MANUAL,VHR-798E ONLY
	613 180 9468	INSTRUCTION MANUAL,VHR-768IR ONLY
	613 180 4906	INSTRUCTION MANUAL,VHR-778EX ONLY
	613 179 6539	INSTRUCTION MANUAL,VHR-798SP ONLY
	613 180 4890	INSTRUCTION MANUAL,VHR-778EV ONLY
	613 183 2848	INSTRUCTION MANUAL,GREEK, VHR-778EV ONLY
	613 180 6443	INSTRUCTION MANUAL,VHR-798EV ONLY
	613 183 2855	INSTRUCTION MANUAL,GREEK, VHR-798EV ONLY
	645 023 4170	CABLE,ANT PAL
OR	645 025 1382	CABLE,ANT PAL
	△ 645 023 4156	CORD,POWER,VHR-798E,VHR-768IR
OR	△ 613 136 6411	CORD,POWER,VHR-798E,VHR-768IR
OR	△ 645 019 1923	CORD,POWER,VHR-798E,VHR-768IR
	△ 645 025 0767	CORD,POWER,EXCEPT VHR-798E,VHR-768IR
OR	△ 645 024 0522	CORD,POWER,EXCEPT VHR-798E,VHR-768IR
OR	△ 645 023 4163	CORD,POWER,EXCEPT VHR-798E,VHR-768IR
OR	△ 645 028 3086	CORD,POWER,EXCEPT VHR-798E,VHR-768IR

PACKING MATERIALS

613 180 4883	CARTON CASE,VHR-778EX ONLY
613 180 7945	CARTON CASE,VHR-798EV ONLY
613 180 8690	CARTON CASE,VHR-768IR ONLY
613 179 6157	CARTON CASE,VHR-798E ONLY
613 179 6485	CARTON CASE,VHR-798SP ONLY
613 180 4876	CARTON CASE,VHR-778EV ONLY
613 173 2537	CUSHION, FRONT(SID)
613 173 2544	CUSHION, BACK(SID)
613 139 8047	POLYE COVER,INNER-K



SANYO Electric Co.,Ltd.
Osaka, Japan

VHR-768IR,VHR-778EV,VHR-778EX VHR-798EV,VHR-798E,VHR-798SP

BLOCK DIAGRAMS,CIRCUIT DIAGRAMS & PRINTED WIRING BOARDS

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NOTES:

1. All resistance values in "OHMS" unless otherwise noted.
(K=1,000; M=1,000,000)
2. All capacitance values in "μF" unless otherwise noted.
p=pico farad; μ,u or U=micro farad
3. All inductance values in "μH" unless otherwise noted.
μ,u or U=micro henry; m=milli henry

PRODUCTSAFETYNOTICE

THE COMPONENTS DESIGNATED BY A SYMBOL () IN THIS SCHEMATIC DIAGRAM DESIGNATES COMPONENTS WHOSE VALUE ARE OF SPECIAL SIGNIFICANCE TO PRODUCT SAFETY. SHOULD ANY COMPONENT DESIGNATED BY A SYMBOL NEED TO BE REPLACED, USE ONLY THE PART DESIGNATED IN THE PARTS LIST.
DO NOT DEVIATE FROM THE RESISTANCE, WATTAGE AND VOLT-AGE RATING SHOWN.

EXPLANATORY NOTES (EXAMPLES)

Resistor 10K:1/16J means 10kilo ohm $\pm 5\%$, 1/16watt max.

1M:1/10K means 1mega ohm $\pm 10\%$, 1/10watt max.

Capacitor 0.047:F means 0.047micro farad, Ftype.

Electrolytic capacitor

10:16 means 10micro farad, 16volt max.

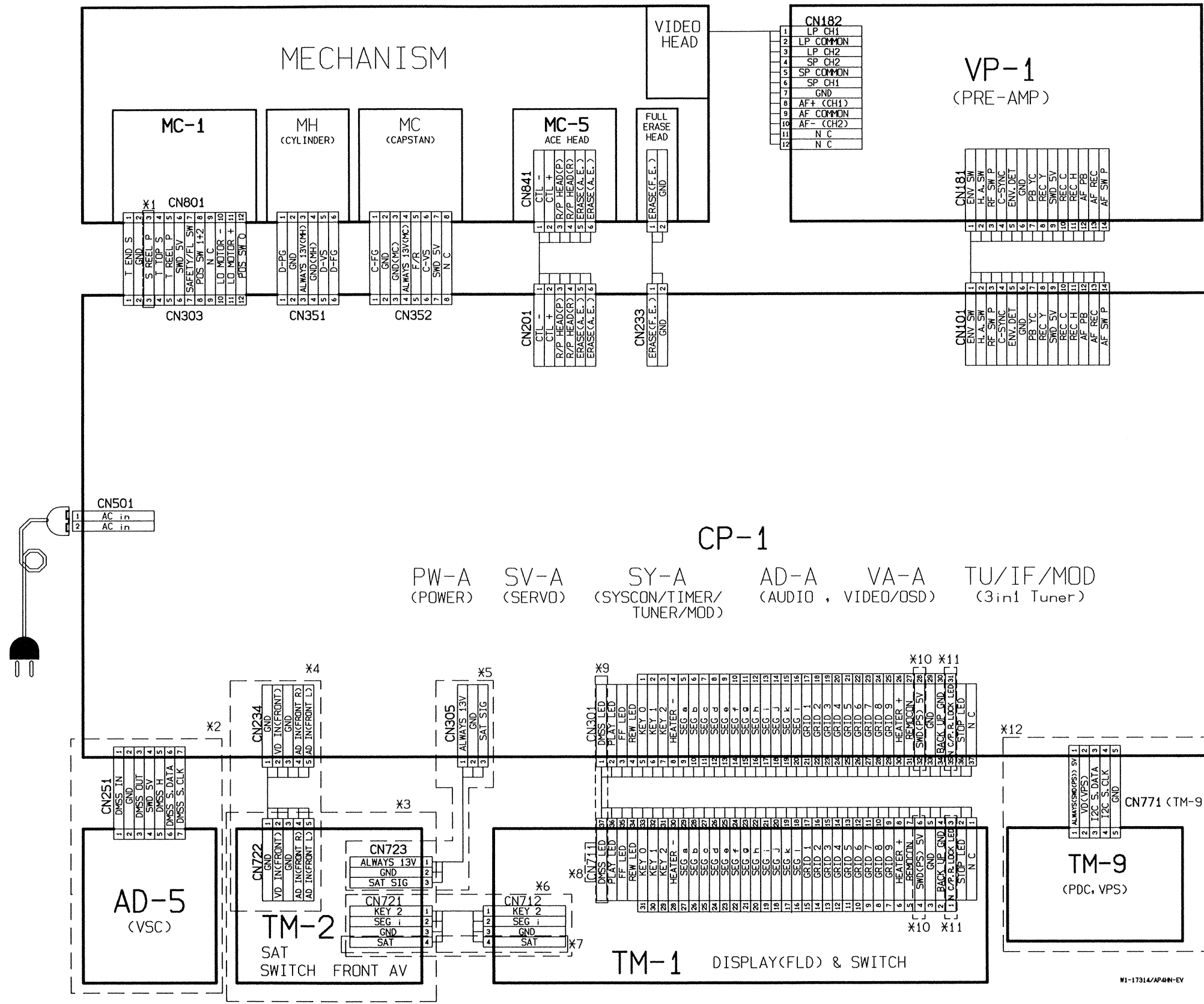
Inductor 330:J means 330micro henry $\pm 5\%$

470:K means 470micro henry $\pm 10\%$

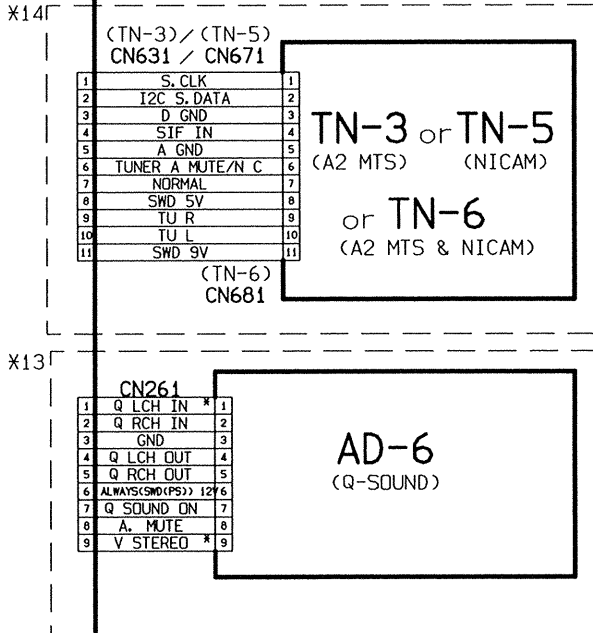
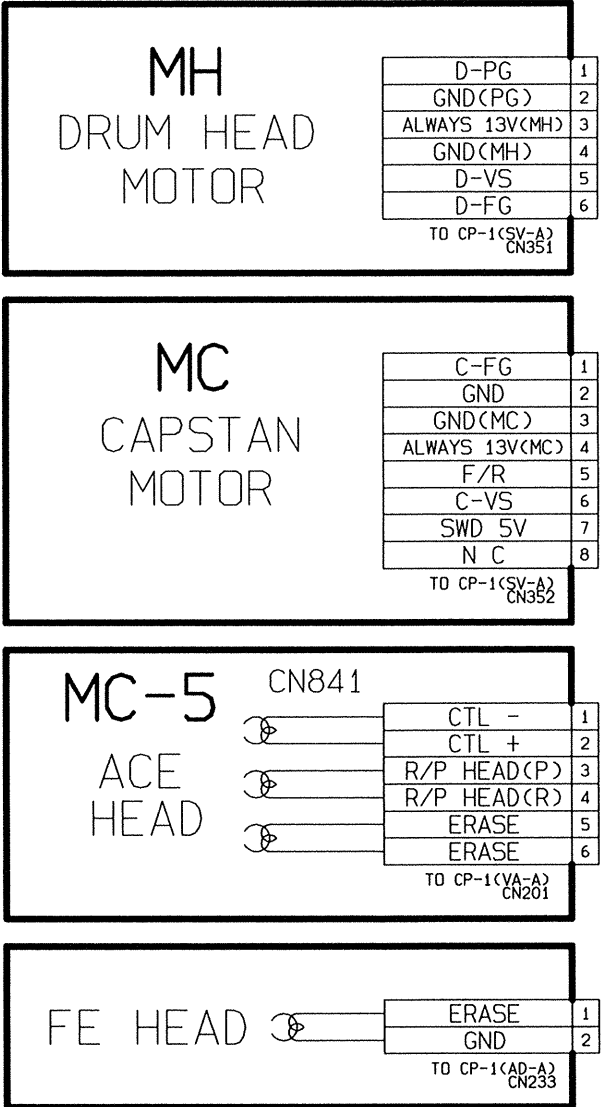
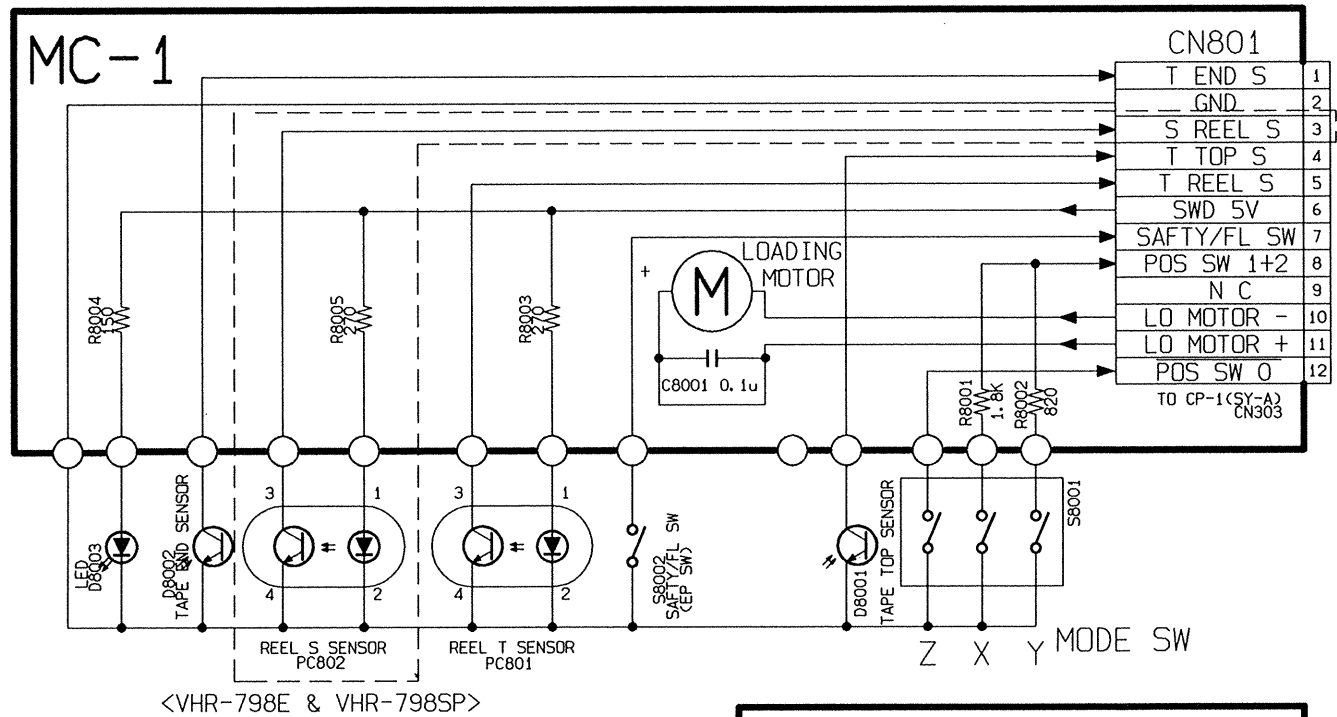
No description J or K means $\pm 5\%$

1. OVERALL WIRING,MECHANISM CONNECTION & BLOCK DIAGRAMS

OVERALL WIRING



MECHANISM CONNECTION

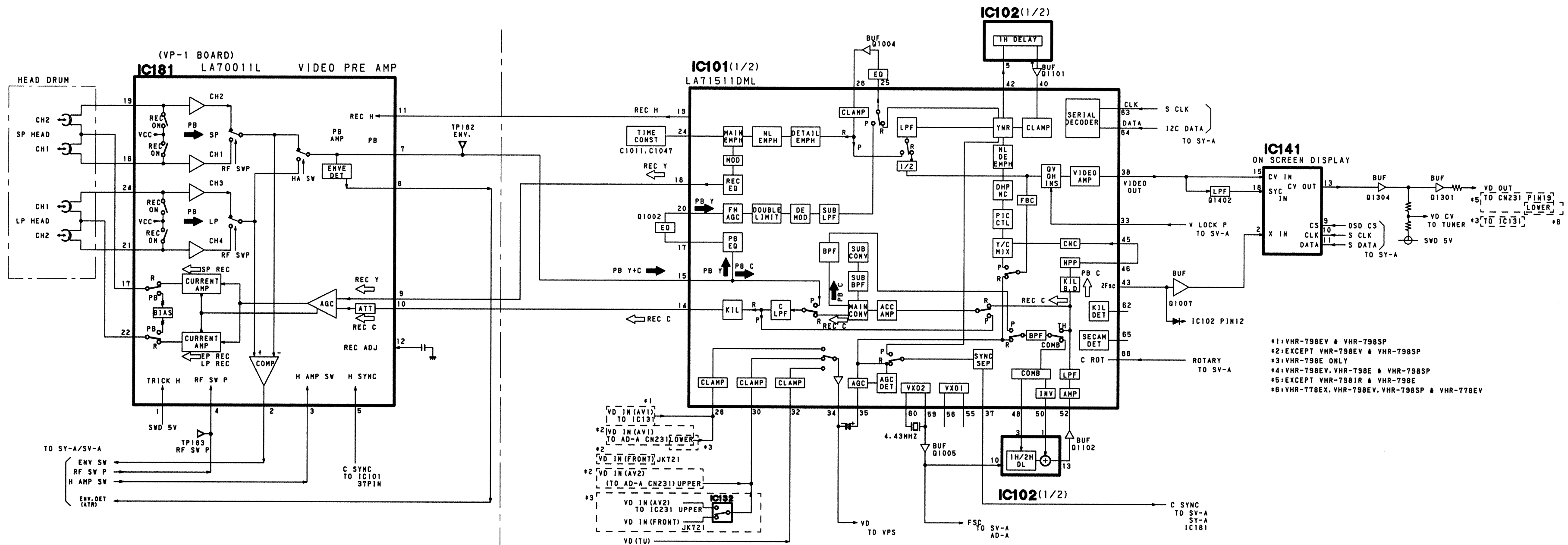


NOTE: NOT USED : OPEN CIRCUIT

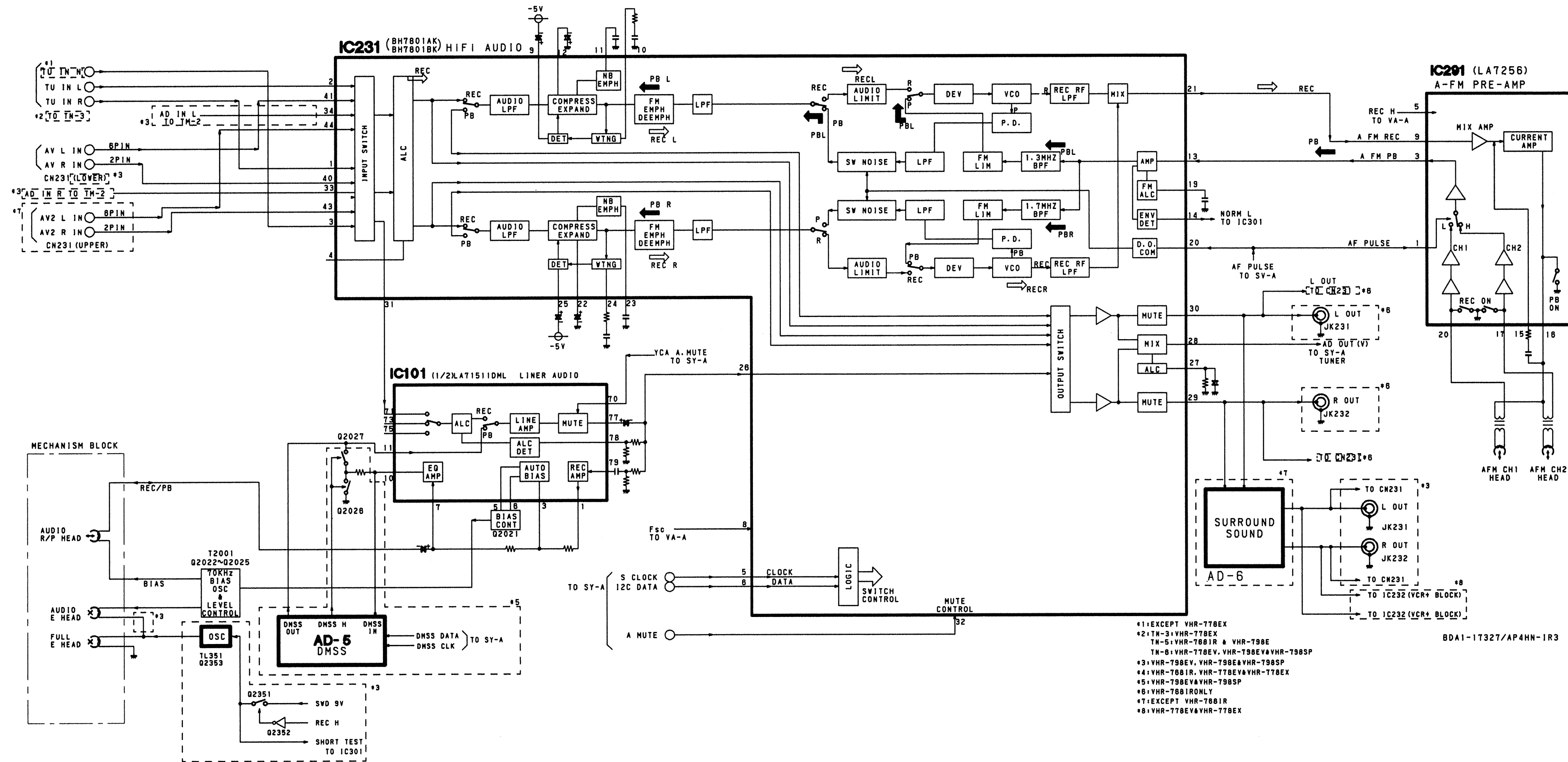
	X1	X2	X3	X4	X5	X6	X7
VHR-768IR	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED
VHR-778EV	NOT USED	NOT USED	USE	NOT USED	NOT USED	USE	POWER SAVE LED
VHR-778EX	NOT USED	NOT USED	USE	NOT USED	NOT USED	USE	POWER SAVE LED
VHR-798EV	NOT USED	USE	USE	USE	NOT USED	USE	POWER SAVE LED
VHR-798E	USE	NOT USED	USE	USE	USE	USE	SAT
VHR-798SP	USE	USE	USE	USE	NOT USED	USE	POWER SAVE LED

	X8	X9	X10	X11	X12	X13	X14
VHR-768IR	CN711(3P)in	NOT USED	ALWAYS 5V	NC/P. R. LOCK LED	OPTION	NOT USED	TN-5
VHR-778EV	CN714(3P)in	NOT USED	SWD(PS) 5V	POWER SAVE 5V	BUILT IN	USE	TN-6
VHR-778EX	CN714(3P)in	NOT USED	SWD(PS) 5V	POWER SAVE 5V	BUILT IN	USE	TN-3
VHR-798EV	CN711(3P)in	DMSS LED	SWD(PS) 5V	POWER SAVE 5V	BUILT IN	USE	TN-6
VHR-798E	CN711(3P)in	PAUSE LED	ALWAYS 5V	NC/P. R. LOCK LED	BUILT IN	USE	TN-5
VHR-798SP	CN711(3P)in	DMSS LED	SWD(PS) 5V	POWER SAVE 5V	BUILT IN	USE	TN-6

VIDEO CIRCUIT

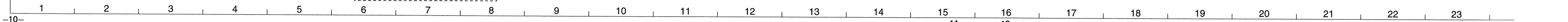


AUDIO CIRCUIT



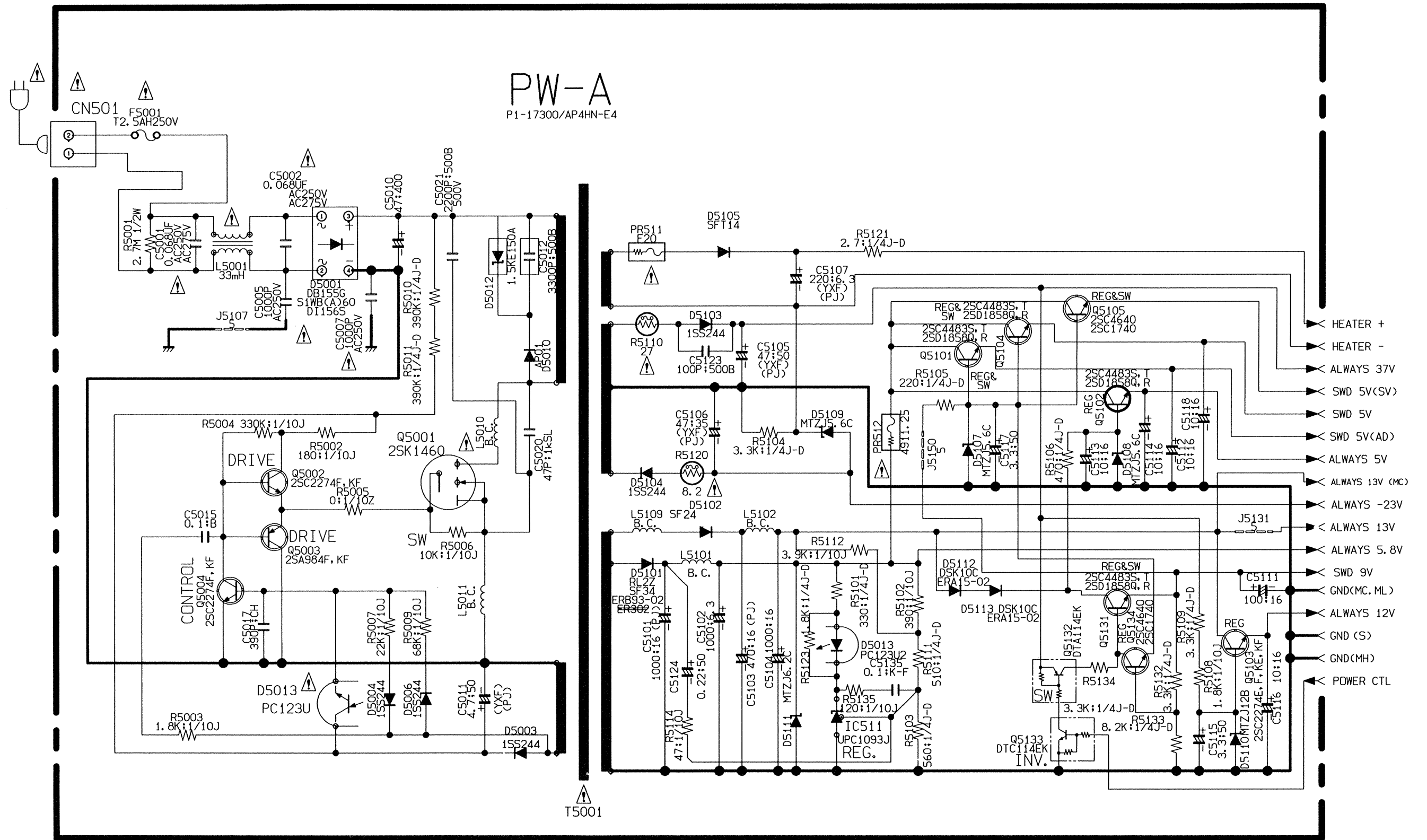
- *1: EXCEPT VHR-778EX
- *2: TN-3: VHR-778EX
TN-5: VHR-7881R & VHR-798E
TN-6: VHR-778EV, VHR-798EV & VHR-798SP
- *3: VHR-798EV, VHR-798E & VHR-798SP
- *4: VHR-7881R, VHR-778EV & VHR-778EX
- *5: VHR-798EV & VHR-798SP
- *6: VHR-7881R ONLY
- *7: EXCEPT VHR-7881R
- *8: VHR-778EV & VHR-778EX

BDA1-17327/AP4HN-1R3



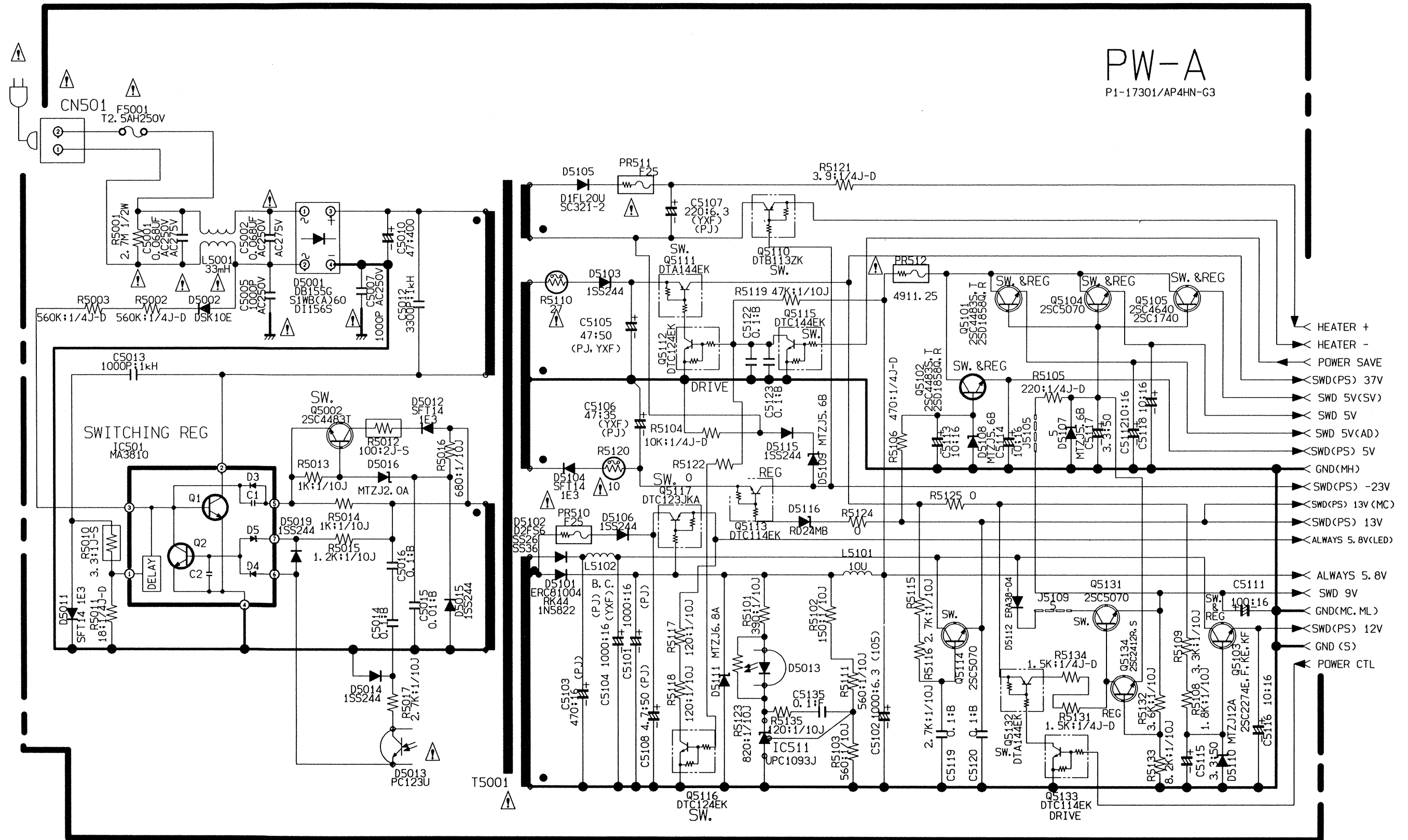
2. CIRCUIT DIAGRAMS & PRINTED WIRING BOARDS (P.W.B.)

CP-1 BOARD (PW-A) POWER SUPPLY (VHR-768IR&VHR-798E)

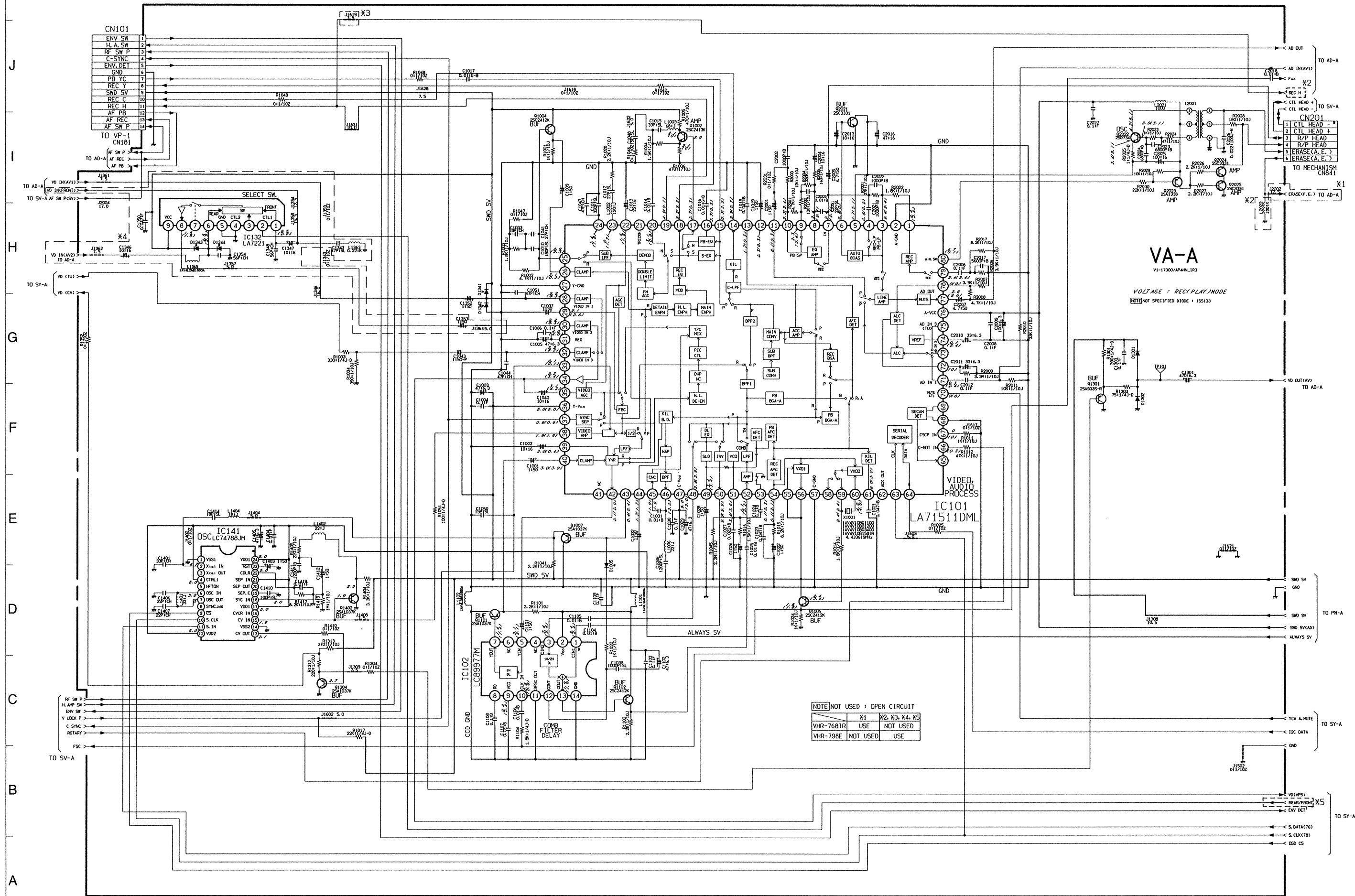


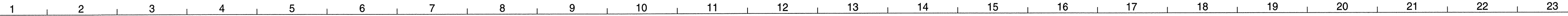
CP-1 BOARD (PW-A) POWER SUPPLY (EXCEPT VHR-768IR&VHR-798E)

PW-A
P1-17301/AP4HN-G3



CP-1 BOARD (VA-A) VIDEO & AUDIO (VHR-768IR&VHR-798E)



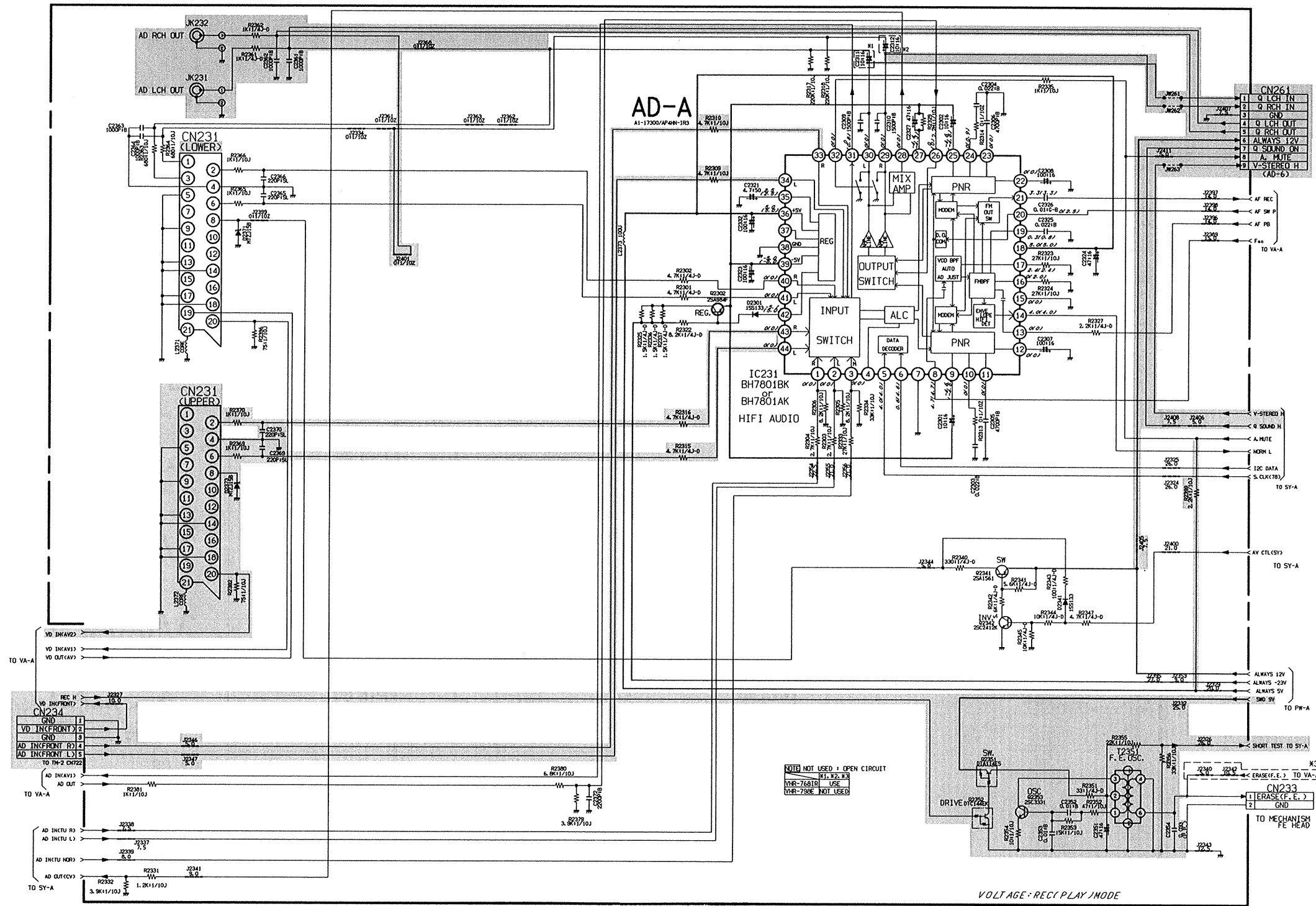


TEST LOCATION	WAVE FORM	TEST LOCATION	WAVE FORM
IC101 PIN14 REC 0. 4Vp-p (REC C)		IC101 PIN37 REC, PLAY 4Vp-p (C SYNC)	
IC101 PIN15 PLAY 0. 25Vp-p (PB Y, C)		IC101 PIN38 REC, PLAY 2Vp-p (VIDEO OUT)	
IC101 PIN18 REC 0. 2Vp-p (REC Y)		IC101 PIN40, 42 REC, PLAY 0. 35Vp-p	
IC101 PIN25, 26 REC, PLAY 0. 5Vp-p		IC101 PIN45, 46 PLAY 0. 4Vp-p	
IC101 PIN28 REC 1Vp-p (VIDEO IN)		IC101 PIN48, 50, 52 REC, PLAY 0. 25Vp-p	

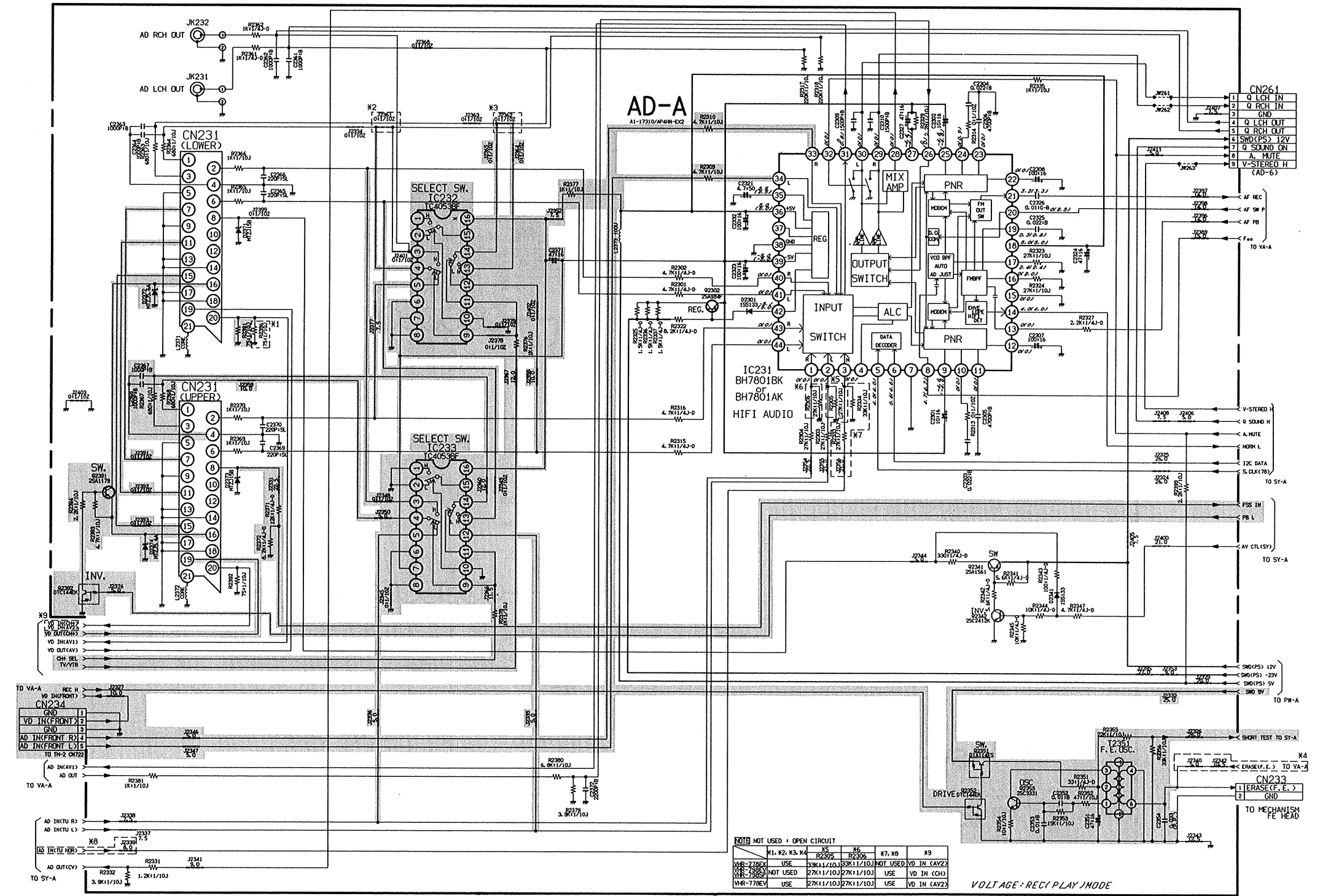
NOTES:
 _____ : Common parts for VHR-778EV,VHR-778EX,VHR-798EV & VHR-798SP.
 The parts marked  are VHR-798EV&VHR-798SP.

VOLTAGE: REC(PLAY)MODE

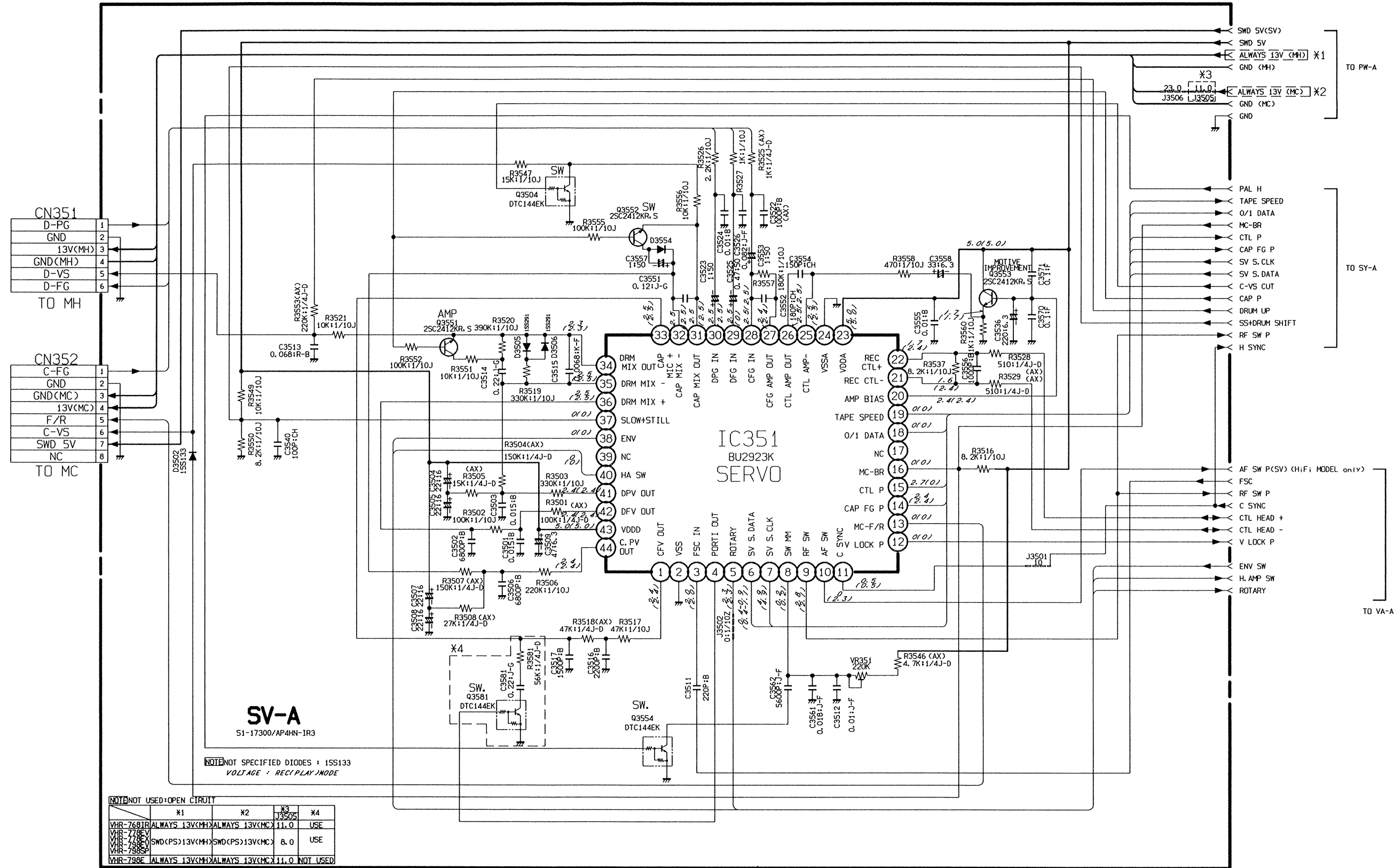
CP-1 BOARD (AD-A) HiFi AUDIO (VHR-768IR&VHR-798E)



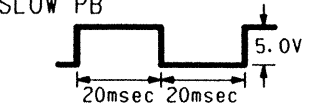
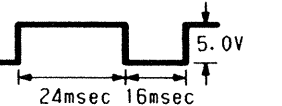
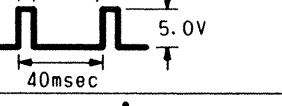
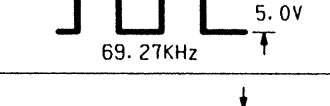
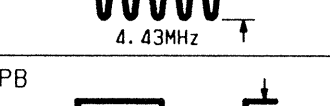
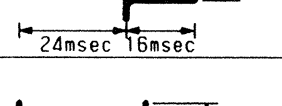
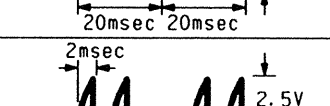
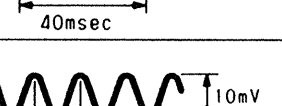
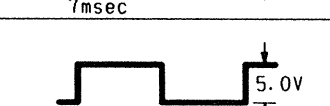
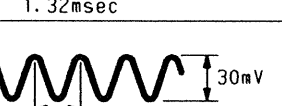
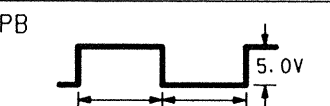
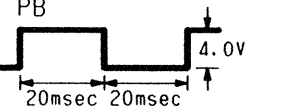
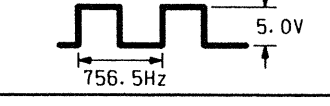
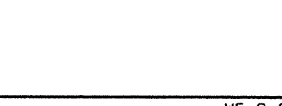
CP-1 BOARD (AD-A) HiFi AUDIO (EXCEPT VHR-768IR&VHR-798E)



CP-1 BOARD (SV-A) SERVO



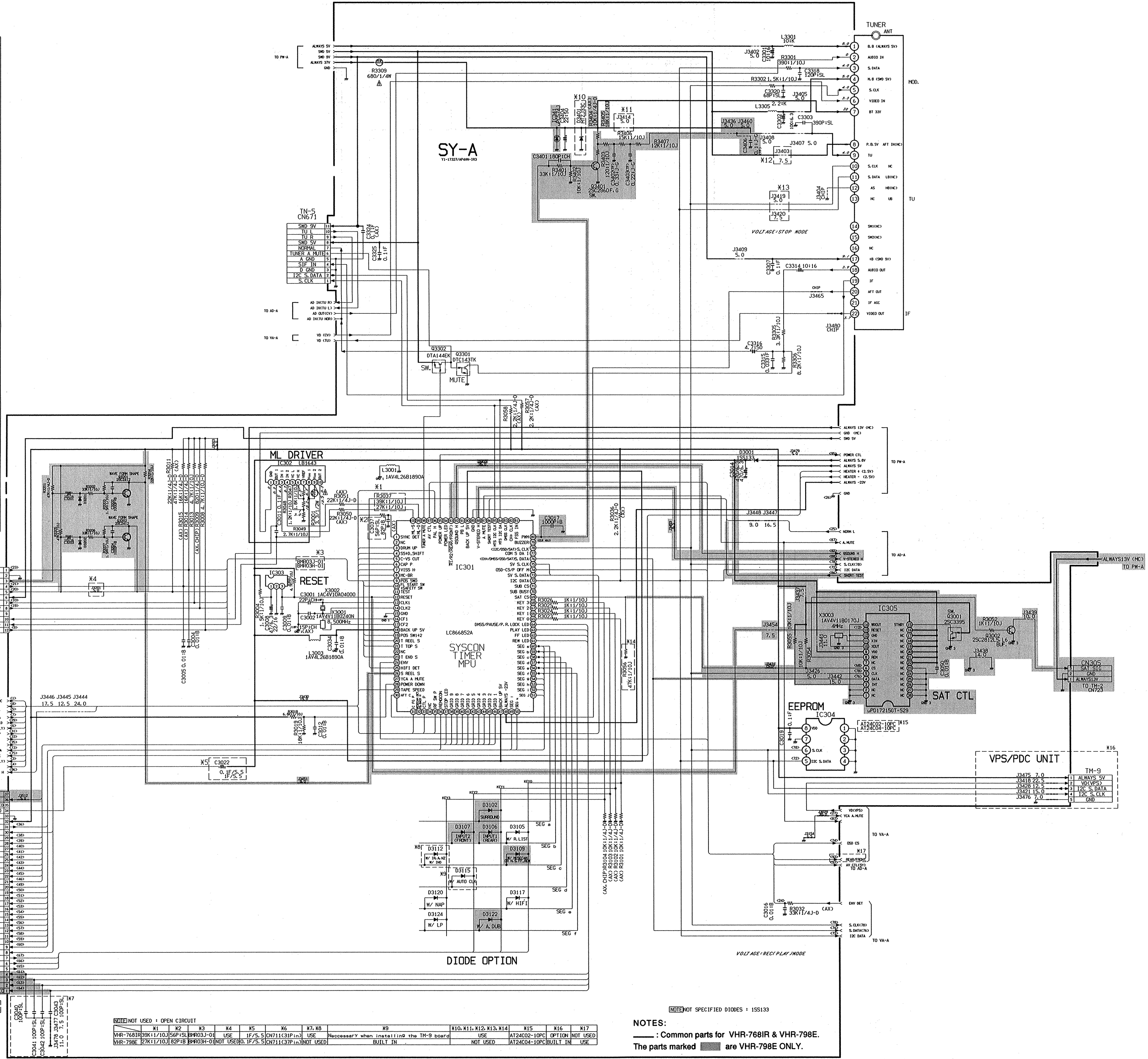
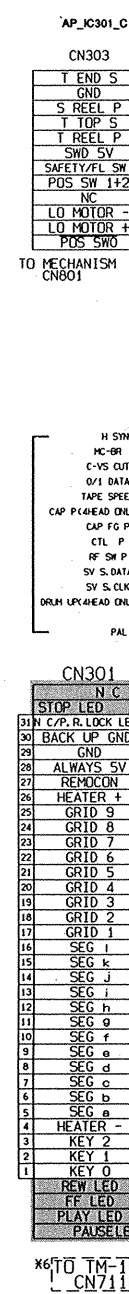
SERVO CIRCUIT WAVEFORMS

TEST LOCATION	WAVEFORM & MODE/LEVEL	TEST LOCATION	WAVEFORM & MODE/LEVEL
Pin 40 (H. A. SWITCHING)	SLOW PB 	Pin 15 (CTL PULSE)	REC 
Pin 42 (PWM)		Pin 15 (CTL PULSE)	PB 
Pin 41, 44, 1 (PWM)		Pin 21 (CTL HEAD-)	REC 
Pin 3 (FSC INPUT)		Pin 22 (CTL HEAD+)	REC 
Pin 5 (ROTARY)	PB 	Pin 26 (CTL AMP OUT)	PB 
Pin 8 (D-PG MM)		Pin 28 (C-FG INPUT)	
Pin 9 (RF SW PULSE)		Pin 29 (D-FG INPUT)	
Pin 10 (AF SW PULSE)	PB 	Pin 30 (D-PG INPUT)	
Pin 11 (COMPOSITE SYNC INPUT)		Pin 38 (ENV. SW INPUT)	SLOW PB 
Pin 14 (C-FG PULSE)			

WF-S-PP

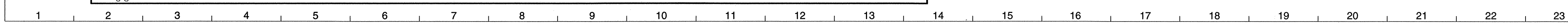
IC301 SYSTEM CONTROL, TIMER & TUNING CONTROL MPU PIN FUNCTIONS TABLE

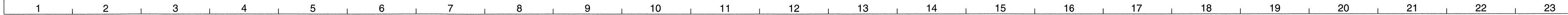
No.	Name	I/O	I/O Signal Function	No.	Name	I/O	I/O Signal Function
1	SYNC DET	I	Sync. signal input for existing channel discrimination and TV system discrimination.	53	SEG h	O	
2	NC	-		54	SEG g	O	
3	DRUM UP	O	Head drum motor rotation speed up signal.	55	SEG f	O	
4	SS + DRUM SHIFT	O	Signal for indicating SLOW/STILL modes and alteration of drum motor control data. (3 value voltage)	56	SEG e	O	
5	C - Vs CUT	O	Cut off for capstan motor control voltage in SLOW / STILL modes.	57	SEG d	O	Display segment outputs (FLD).
6	CAP P.	O	Gain down control for Head Motor at SLOW mode.	58	SEG c	O	(Includes key-scan output)
7	VISS H	I	CTL pulse duty detection signal input. Used for VISS detection.	59	SEG b	O	
8	MC - BR	O	Brake signal for capstan motor.	60	SEG a	O	
9	POS SW0	I	Data indicating operation position of mechanism. (0V : SEARCH, STILL, SLOW, STOP, PLAY, and REC modes) (5V : EJECT, REW, and INITIAL modes)	61	REW LED	O	Signal for indicating REW mode.
10	FL- START + SAFETY SW	I	Switch input indicating start of cassette loading or discharge by cassette mechanism and detecting accidental erasure prevention tab of cassette tape.	62	FF LED	O	Signal for indicating FF mode.
11	-	-		63	PLAY LED	O	Signal for indicating PLAY mode.
12	RESET	I	Initial reset terminal for this IC.	64	DMSS/PAUSE LED	O	Signal for indicating DMSS or PAUSE mode.
13	CLK 1	-	Clock OSC during power failures.	65	KEY IN 0	I	
14	CLK 2	-	Frequency is 32kHz.	66	KEY IN 1	I	Operation key data inputs.
15	VSS	-	Ground terminal	67	KEY IN 2	I	
16	CF 1	-	IC clock OSC terminal.	68	KEY IN 3	I	
17	CF 2	-	Frequency is 8.5MHz.	69	SAT CS	O	Chip enable signal to satellite control IC.
18	VDD	-	IC power supply terminal. (5Vdc)	70	SUB BUSY	I	NOT USED
19	POS SW1+2	I	Data indicating operation position of mechanism. (2V: EJECT, REW, and INITIAL modes) (3.4V: STOP, PLAY, REC, and F-SEARCH modes) (2.5V: STILL and SLOW modes) (5V: R-SEARCH mode)	71	SUB CS	O	NOT USED
20	T. REEL S.	I	Pulse input for detection of take-up reel table rotation.	72	I2C S. DATA	I/O	Data exchange with I2C ROM, TUNER and video-audio IC.
21	T. TOP S.	I	Sensor signal input for tape beginning detection.	73	SV S. DATA	O	Output 8-bit X 4 serial data giving operation mode and tracking data, etc., to digital servo IC.
22	NC	-		74	OSD CS	O	Chip enable (access) signal output to OSD IC.
23	T. END S.	I	Sensor signal input for tape end detection.	75	SV S. CLK	O	The clock pulse for digital servo IC. (TUNER, VA-A)
24	ENV.	I	Video head envelope detection signal input for ATR function.	76	COMMON DATA	O	Terminal for communication of respective data with OSD IC, DMSS IC, SAT CTL IC and CH+ IC.
25	HIFI ENV.	I	Hi-Fi audio head envelope detection signal input for ATR function. (Hi-Fi model only)	77	COM S. DA I	-	NOT USED
26	S. REEL S.	I	Pulse input for detection of supply reel table rotation.	78	COMMON CLK	O	The clock pulse for TUNER, video-audio IC, OSD IC, satellite control IC and EP2 ROM.
27	YCA MUTE	O	Signal to disable audio signal output.	79	POWER SAVE	O	"H" output while "power off" mode.
28	POWER DOWN	I	Power failure detection terminal.	80	TU PWM	O	Tuning voltage output (PWM signal). (V-syn model)
29	TAPE SPEED	I	Input of result of tape speed discrimination by digital servo IC.	81	FSS IN	I	CH+ mode control signal input (CH+ model).
30	AFT - C	I	Tuner AFT S-curve signal input for tuner AFT control.	82	CH PLUS CLK	O	The clock pulse for CH+ in/out-select IC. (CH+ model)
31	C - FG P.	I	FG signal input of capstan motor.	83	DMSS CLK	O	Clock signal for audio DMSS unit.
32	MESECAM DET	I	Signal for indicating MESECAM mode.	84	MTS I2C DA	I/O	Data signal for MTS decoder.
33	CTL P.	I	CTL head recording / playback pulse signal input.	85	MTS I2C CLK	O	Clock signal for MTS decoder.
34	NC	-		86	SHORT TEST	I	REC mode indication signal input. (NOT USED)
35	RF SW P.	I	RF switching pulse input, created by head drum PG.	87	A MUTE	O	"L" output for disable audio output signal.
36	REMOCON	I	Remote control signal input.	88	V-STREO H	O	"H" output when simulated stereo (V-streo) is ON.
37	STOP LED	O	Signal for indicating STOP mode.	89	VSS	-	IC ground terminal.
38	G8	O		90	VDD	-	IC power supply input. (5Vdc)
39	G7	O		91	PB L	O	Signal for indicating playback mode.
40	G6	O		92	Q SOUND H	O	"H" output when Q-sound (simulated surround) is ON.
41	G5	O	Display grid outputs (FLD).	93	R1/R2	O	Signal for selecting AV-input (video/audio) source. (R1-L)
42	G4	O		94	POWER LED	-	NOT USED
43	G3	O		95	POWER UP	O	"HIGH" output except when power is off. Indicating that power is ON.
44	G2	O		96	PAL H	O	Signal to indicate "PAL" mode.
45	G1	O		97	AV CTL	O	Audio input source selecting for audio IC.
46	VDD	-	IC power supply input. (5Vdc)	98	TUNER A MUTE	O	"L" output for disable tuner audio output signal.
47	VLOAD	-	-23V input for FLD drive.	99	ML - D	O	Loading motor rotation direction (FWD / REV) indication signal.
48	SEG i	O		100	ML - S	O	Loading motor rotation speed (low / medium / high) indication signal.
49	SEG k	O					
50	SEG j	O	Display segment outputs (FLD).				
51	SEG i	O	(Includes key-scan output)				
52	SEG i	O					

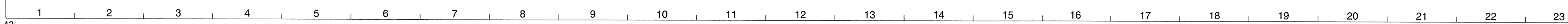


NOTES																
NOTES:																
Common parts for VHR-768IR & VHR-798E.																
The parts marked are VHR-798E ONLY.																

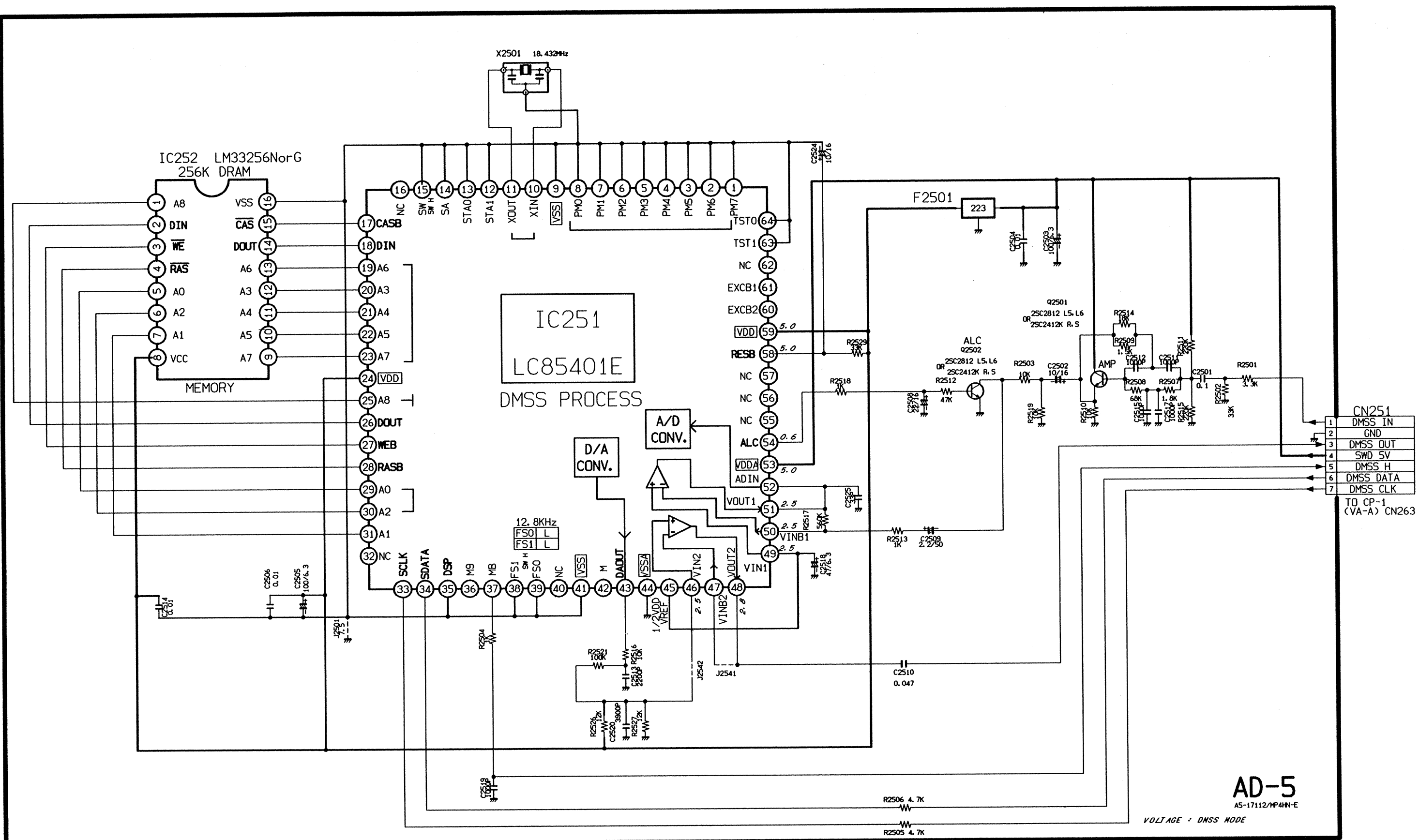
P
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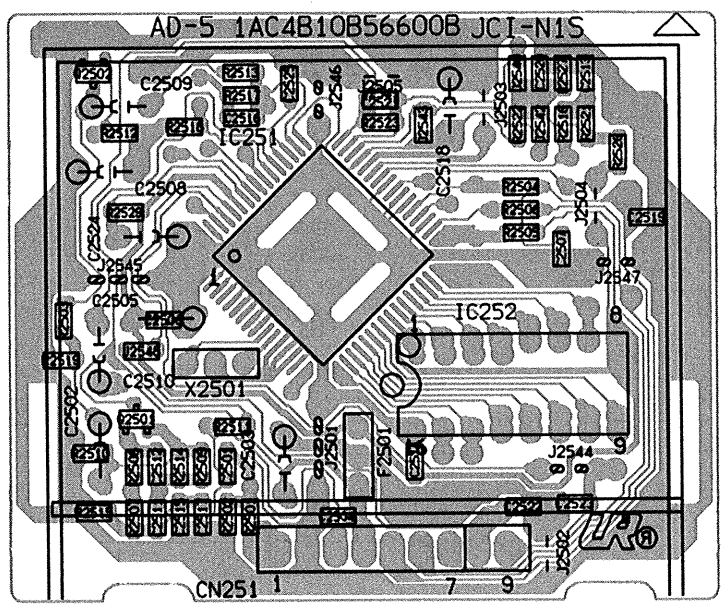




AD-5 BOARD DMSS (VHR-798EV & VHR-798SP)

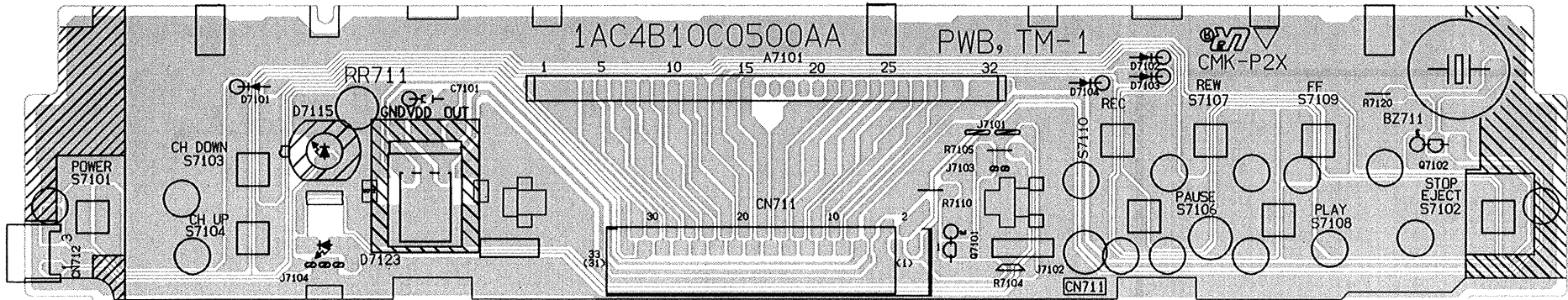


AD-5 P.W.B. (VHR-798EV & VHR-798SP)

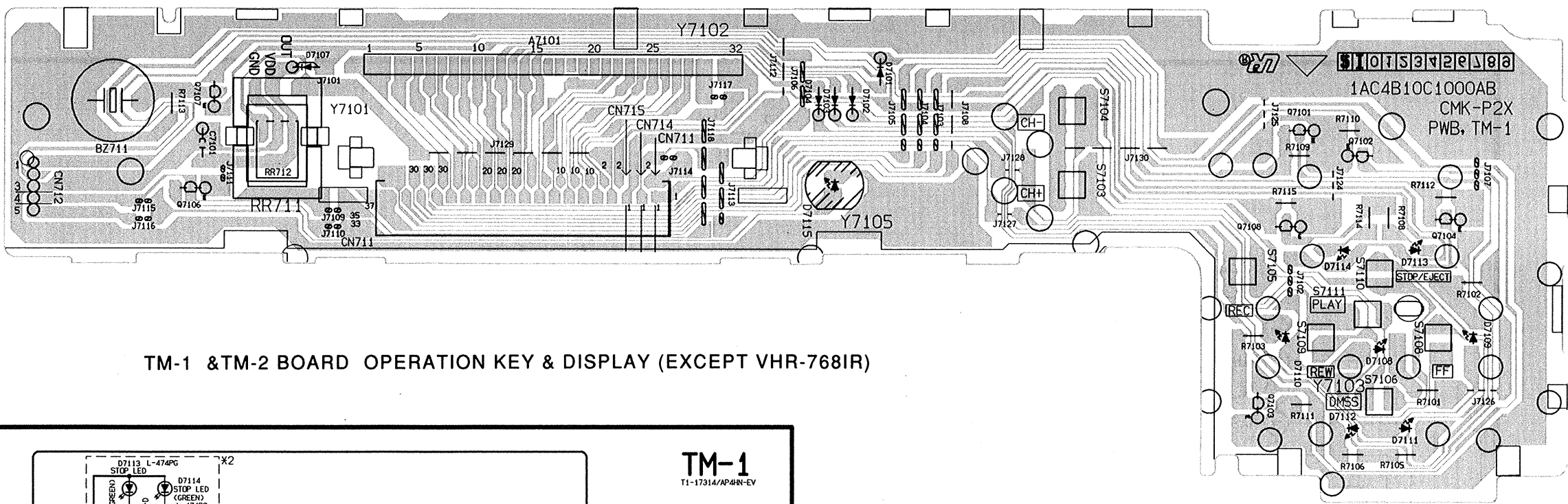


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TM-1 P.W.B. (VHR-768IR ONLY)

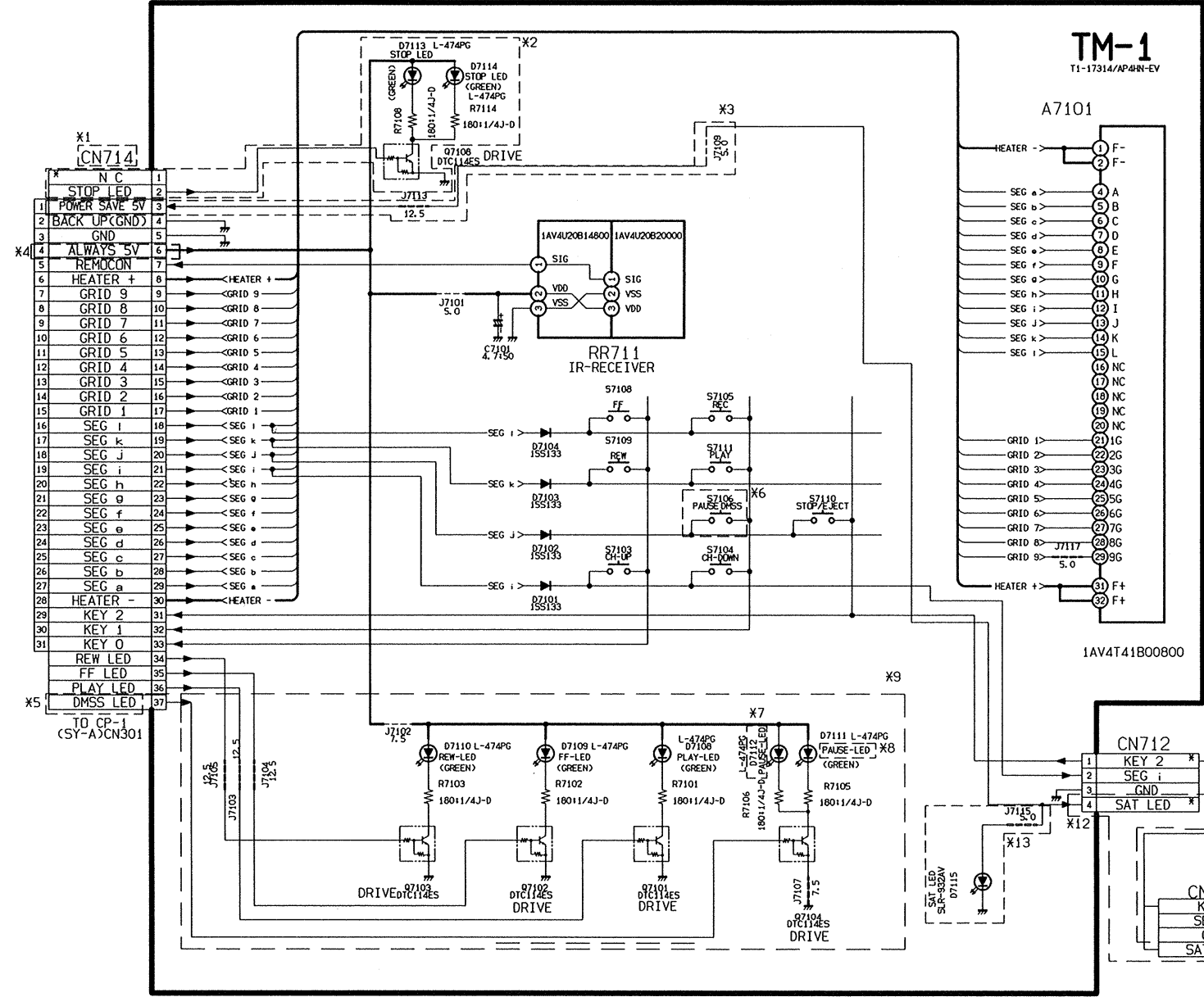
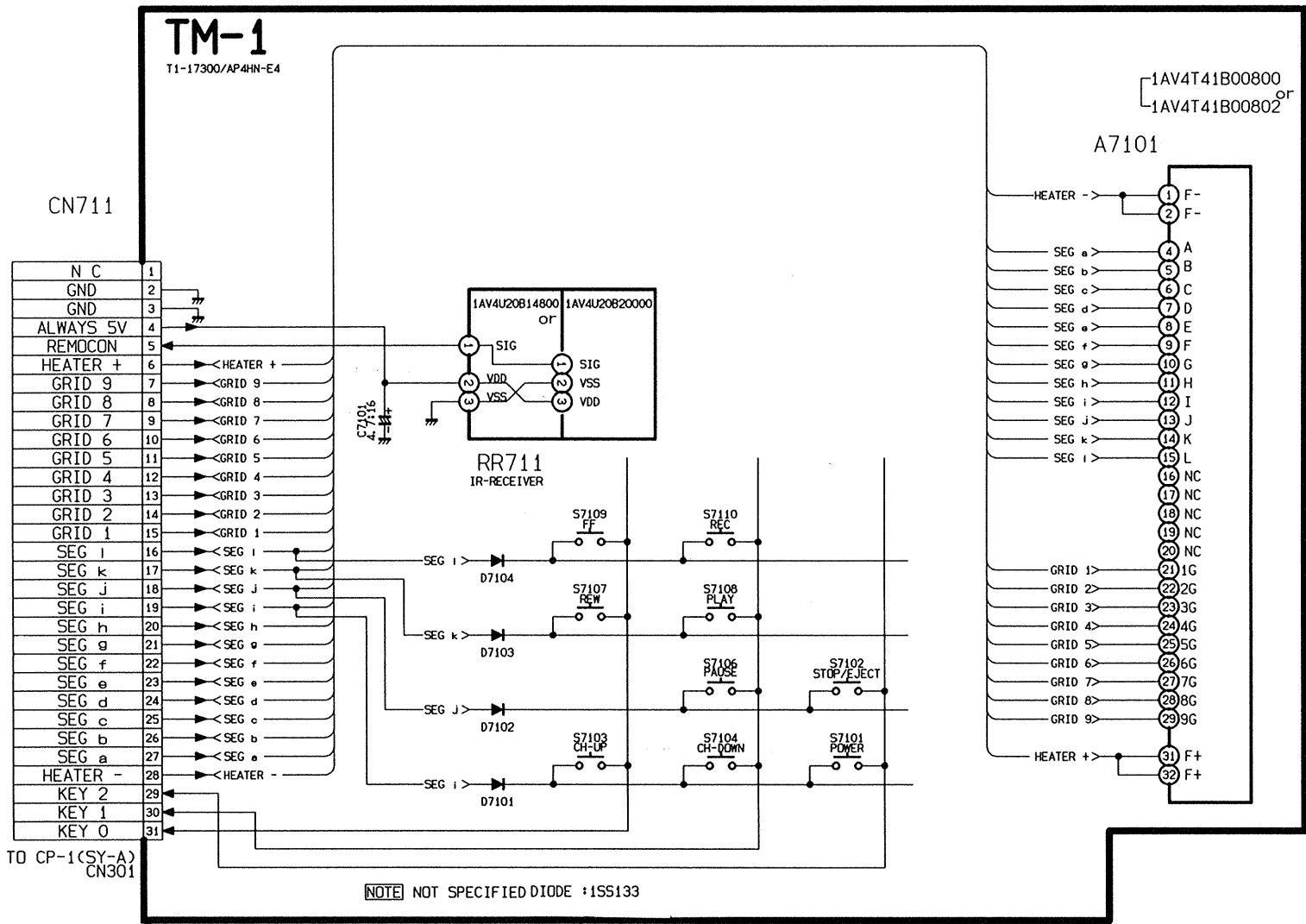


TM-1 P.W.B. (EXCEPT VHR-768IR)



TM-1 & TM-2 BOARD OPERATION KEY & DISPLAY (EXCEPT VHR-768IR)

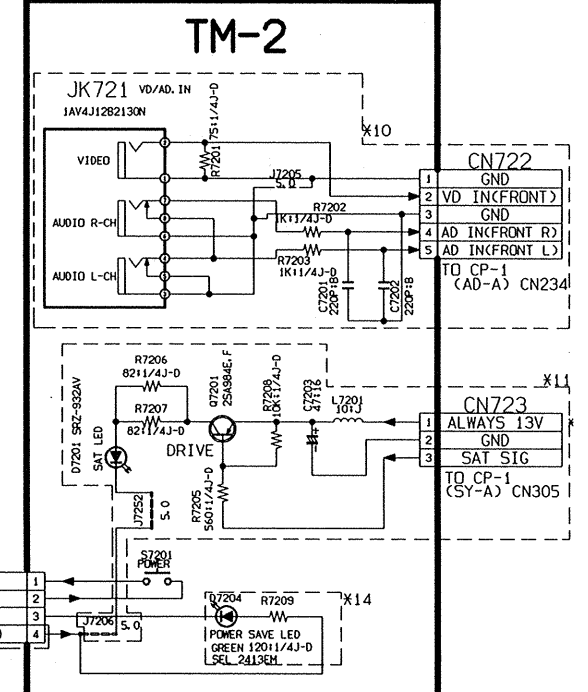
TM-1 BOARD OPERATION KEY & DISPLAY (VHR-768IR ONLY)



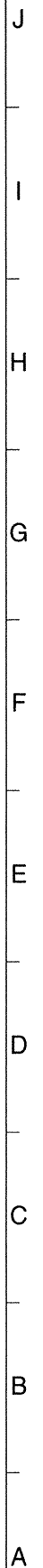
NOTE: NOT USED = OPEN CIRCUIT

	X1	X2	X3	X4	X5	X6	X7, X8
VHR-778EY	CN714C3P1 (m)	NOT USED	USE	SW04P5/5V	NOT USED	PAUSE	NOT USED
VHR-778EY	CN711C3P1 (m)	USE	USE	SW04P5/5V	DMSS LED	DMSS LED	DMSS LED
VHR-798E	CN711C3P1 (m)	USE	NOT USED	ALWAYS 5V	PAUSE LED	PAUSE LED	PAUSE LED

	X9	X10	X11	X12	X13	X14
VHR-778EY	NOT USED	NOT USED	NOT USED	POWER SAVE LED	NOT USED	USE
VHR-778EY	USE	USE	NOT USED	POWER SAVE LED	NOT USED	USE
VHR-798E	USE	USE	USE	SAT LED	USE	NOT USED



A
B
C
D
E
F
G
H
I
J
K



A vertical scale with four tick marks labeled A, B, C, and D from bottom to top.

A

A

AD-6
A6-17310/AP4HN-G2

IC261
MM1369BD
SURROUND

IC262
BA15218F
AMP

VIRTUAL AUDIO
QXPANDER
PROCESSOR

SIMULATED
STEREO

SIMULATED
STEREO

Q LCH IN
Q RCH IN
GND
Q LCH OUT
Q RCH OUT
ALWAYS(SWD(PS)) 12V
Q SOUND ON
A. MUTE
V STEREO
CP-1(AD-A)

MUTE
Q2651
DTC343TK
R2653
220 $\pm$ 1/10J
R2654
220 $\pm$ 1/10J
Q2652
DTC343TK
MUTE
DRIVE
Q2613
DTA144EK

R2664
10K $\pm$ 1/10J
R2663
1.2K $\pm$ 1/10J
C2601
22 $\pm$ 16
C2602
6800P $\pm$ B
R2603
5.6 $\pm$ 1/10J
C2604
0.1 μ F-G
R2605
1.8K $\pm$ 1/10J
R2606
2.7K $\pm$ 1/10J
R2607
47 $\pm$ 16
C2608
5.6 $\pm$ 1/10J
R2609
5.2 $\pm$ 50
R2610
1K $\pm$ 1/10J
R2611
5.6 $\pm$ 1/10J
R2612
5.6 $\pm$ 1/10J
R2613
5.6 $\pm$ 1/10J
R2614
0.01 μ F
R2615
0.01 μ F
R2616
0.01 μ F
R2617
0.01 μ F
R2618
7.5K $\pm$ 1/10J
R2619
5.6 $\pm$ 1/10J
R2620
0.1 μ F-G
C2621
100 $\pm$ 16
C2622
22 $\pm$ 16
R2623
1M $\pm$ 1/10J
+12V
R2624
100 $\pm$ 16
R2625
1.2K $\pm$ 1/10J
R2626
10K $\pm$ 1/10J
R2627
5.6 $\pm$ 1/10J
R2628
5.6 $\pm$ 1/10J
R2629
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R2630
5.6 $\pm$ 1/10J
R2631
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R2749
220

MTS DECODER

IC631
TDA9840

20 SCL
19 XTAL
18 VP
17 DE-EMPH
16 GND
15 DE-EMPH
14 A1
13 A2
12 A3
11 A4

SDA
CAGC
CLP
CDCL
Q-INP
VP/2
S1
S2
S3
S4

J6301
5 0 4.9
J6302
4 0 5.02

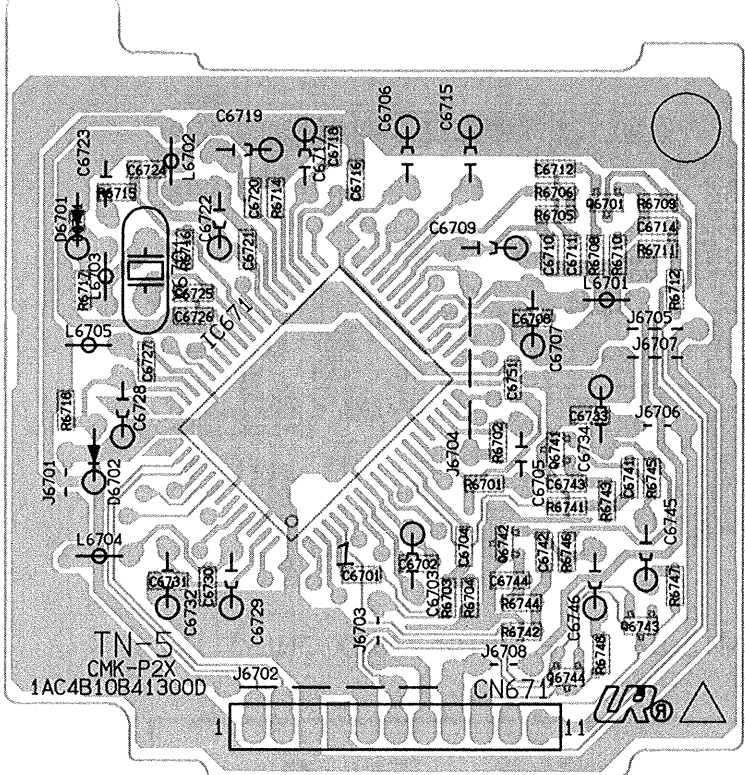
X6301
10KHz
C6310
0.01μF
C6311
0.01μF
C6312
4.7/50
C6313
4.7/50
C6314
10/16
C6315
0.01
C6316
0.1
C6317
47pF
C6318
100/6.3
C6319
10/16
R6312
VR631
SEPARATION ADJ
R6313
R6314
R6315
R6316
R6317
R6318
R6319

VOLTAGE : STOP MODE

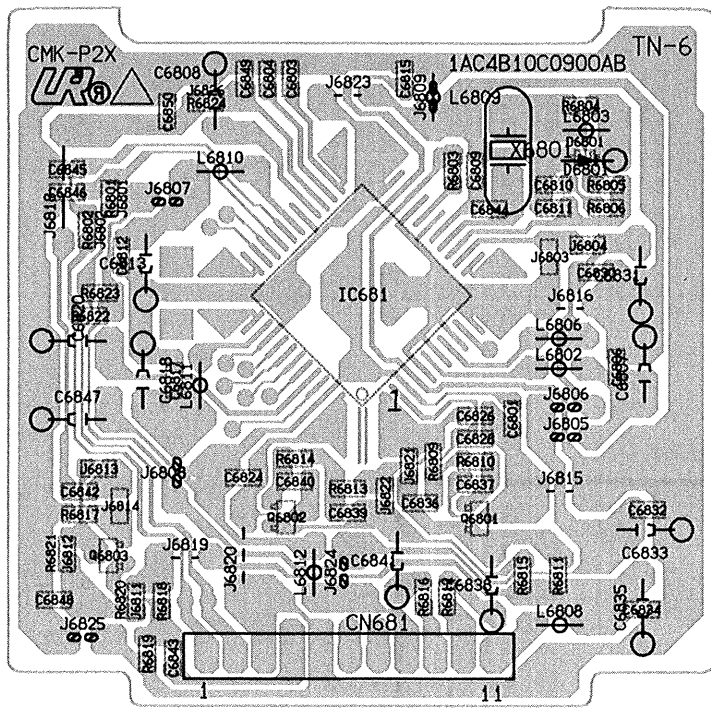
[illegible]

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A

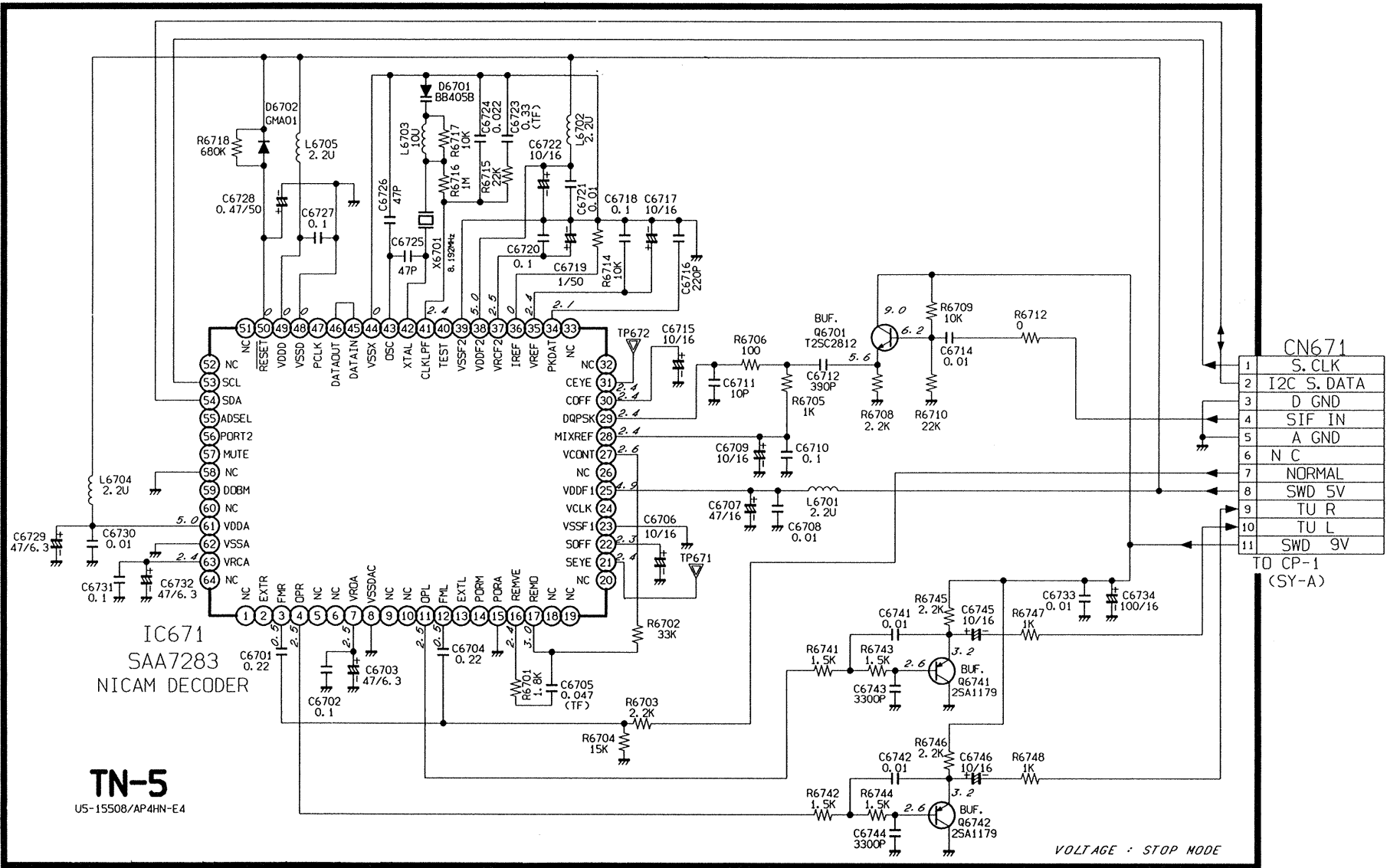
TN-5 P.W.B.(VHR-768IR & VHR-798E)



TN-6 P.W.B. (VHR-778EV,VHR-798EV&VHR-798SP)



TN-5 BOARD NICAM DECODER (VHR-768IR & VHR-798E)



TN-6 BOARD MTS & NICAM DECODER (VHR-778EV,VHR-798EV&VHR-798SP)

